Atlas 2.78.4

A COMPLETE
CHANNEL PILOT:

COMPREHENDING THE

ENGLISH and FRENCH COASTS,

FROM

The Thames Mouth to the Bay of Biſcay;

INCLUDING

THE NORTH SEA:

WITH

SAILING DIRECTIONS.

FROM

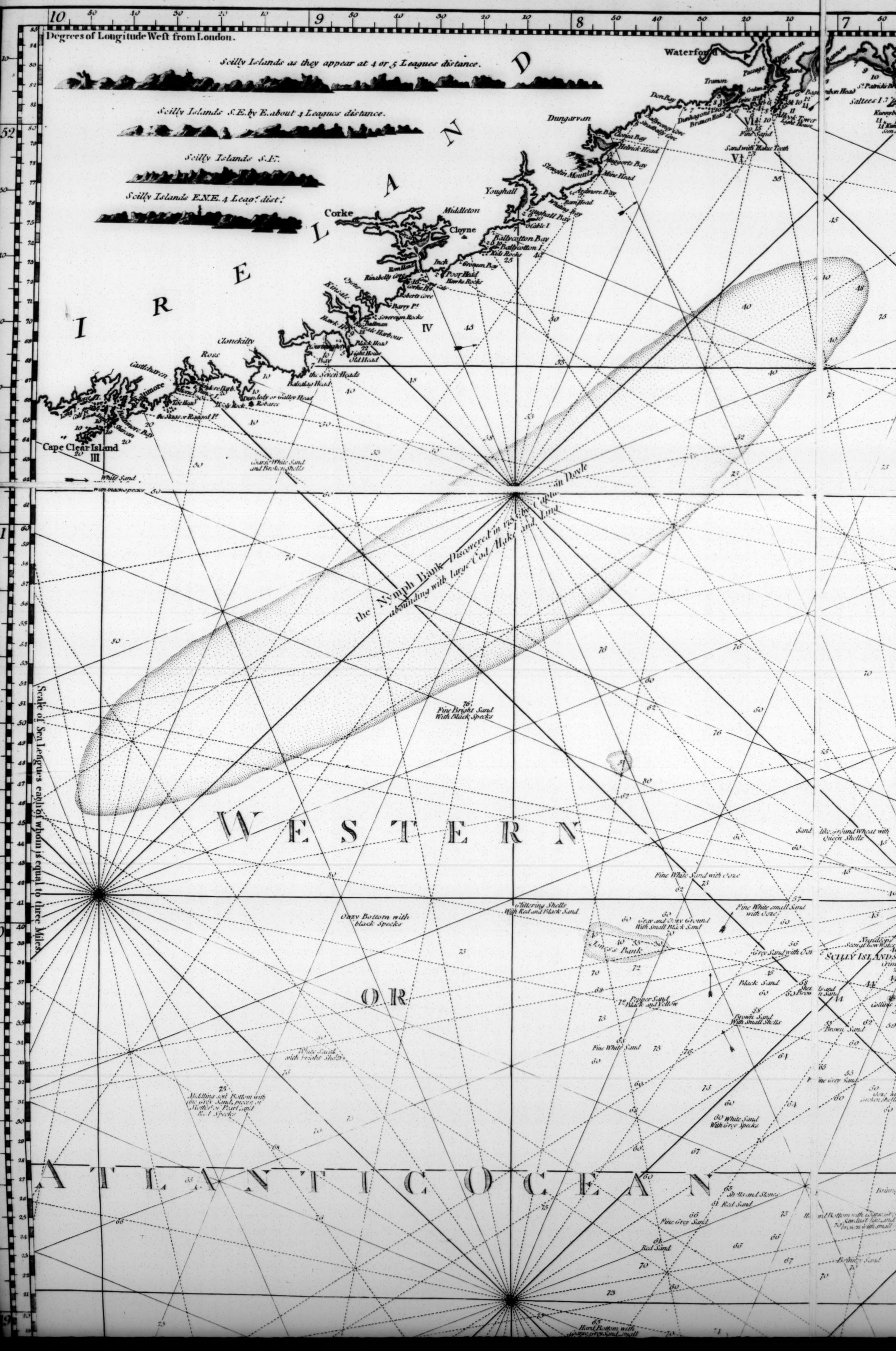
ACTUAL SURVEYS AND OBSERVATIONS
OF EXPERIENCED NAVIGATORS.

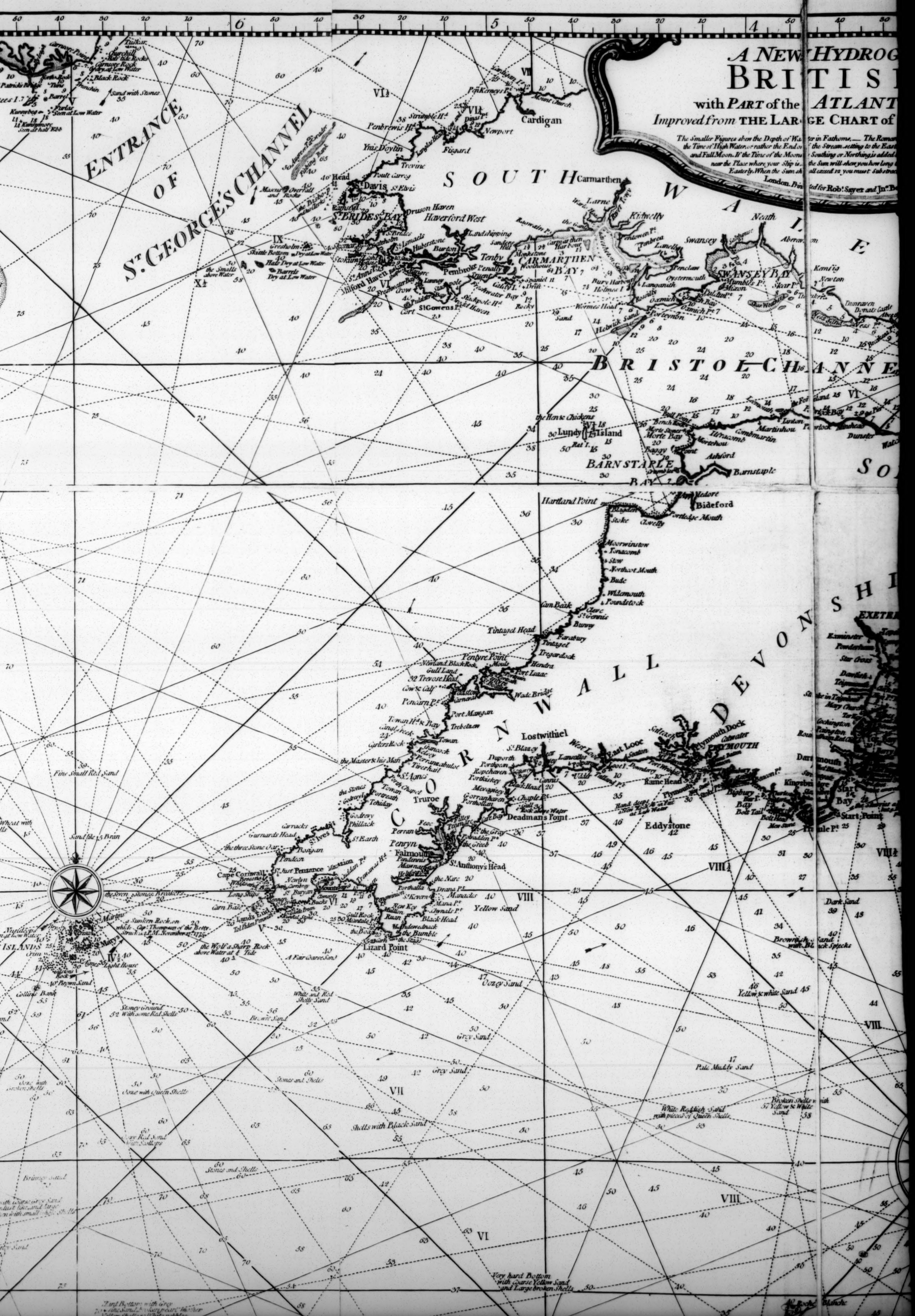
ENGRAVED ON TWENTY-EIGHT COPPER-PLATES;

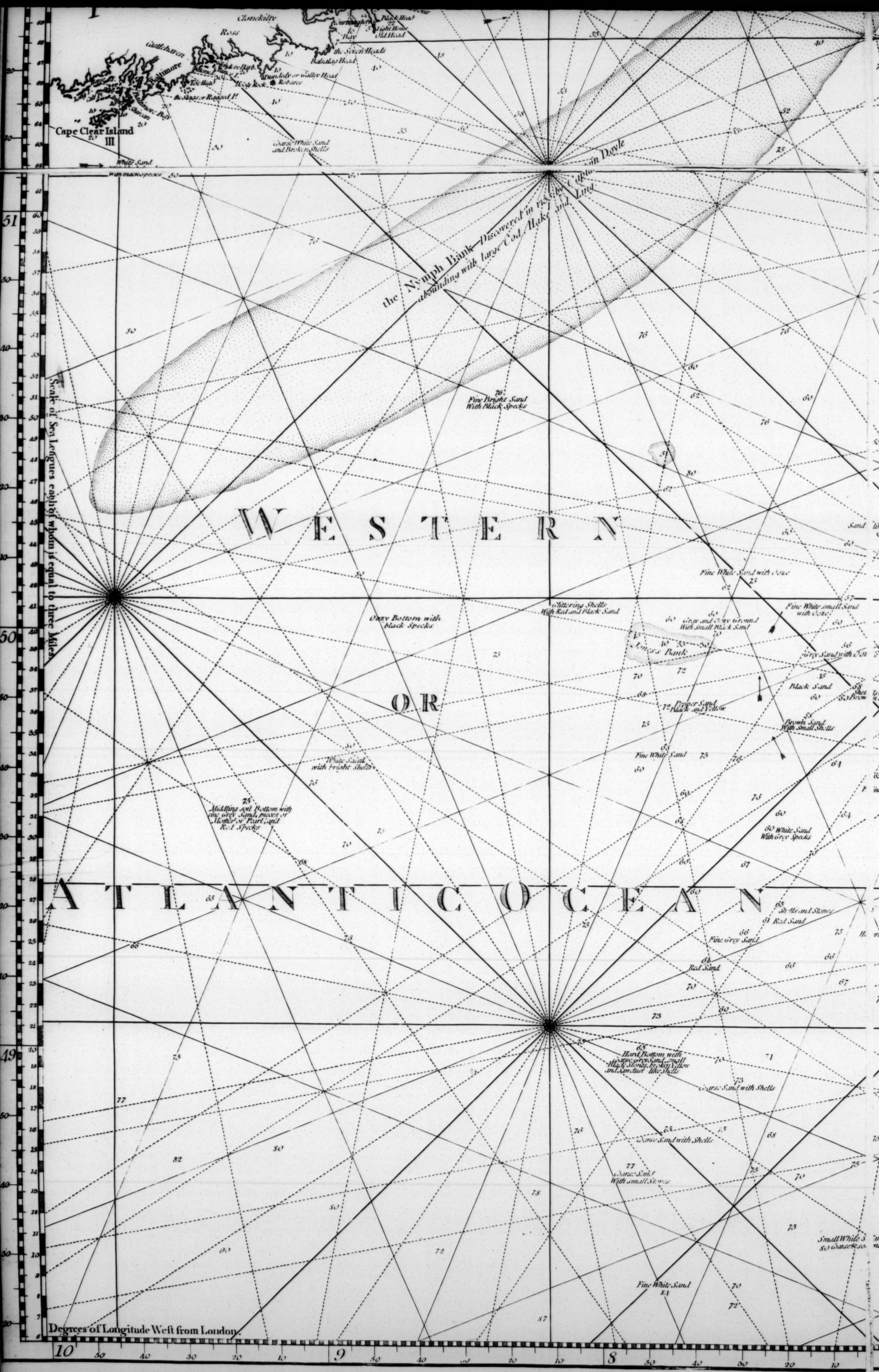
1 The Channel at large
2 Mouth of the Thames
3 Sands and Channels from the Nore to Margate Road
4 The Downs
5 Rye Harbour
6 Portſmouth, Spithead, &c.
7 Portland Race, &c.
8 Guernſey, Jerſey, and Alderney
9 Guernſey, Sark, Herm and Jethou
10 Jerſey
11 Coaſt of Devon, and Torbay
12 Plymouth Sound
13 Fowey Road and Harbour
14 Polkerries and Mevegezy Bays
15 Falmouth and Carreg Roads
16 Mounts Bay
17 Entrance of the Channel
18 Scilly Iſles
19 Milford Haven
20 North Sea
21 Tide Table

LONDON:
PRINTED FOR ROBERT SAYER AND JOHN BENNETT, MAP, CHART, AND PRINT SELLERS, Nº. 53, FLEET-STREET.

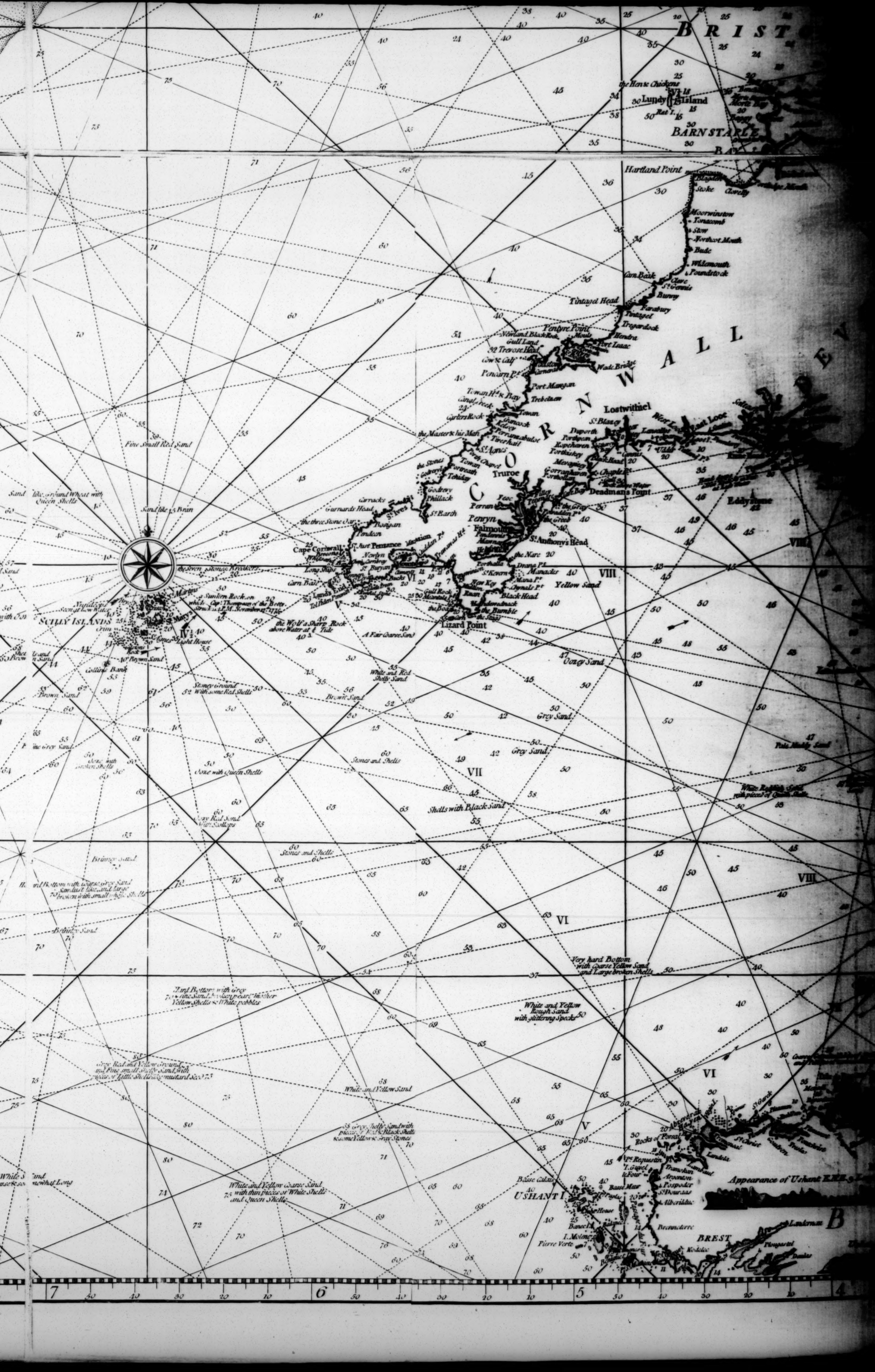
(1781?)

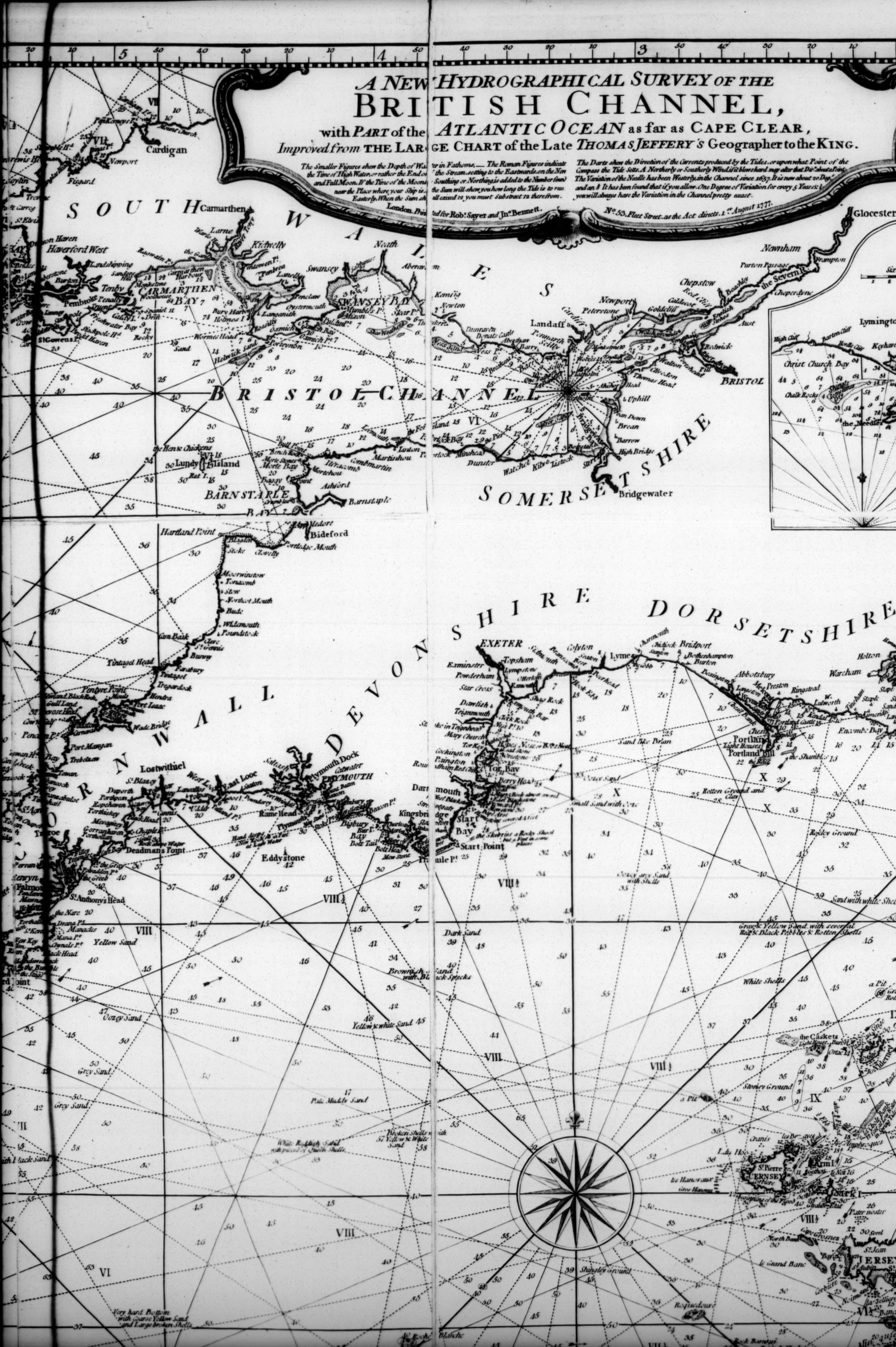

Degrees of Longitude West from London.
Scilly Islands as they appear at 4 or 5 Leagues distance.
Scilly Islands S.E. by E. about 4 Leagues distance.
Scilly Islands S.E.
Scilly Islands E.N.E. 4 Leag.s dist.
I R E L A N D
Waterford
Passage
Tramore
Don Bay
Dungarvan
Helvick Head
Mine Head
Ardmore Bay
Youghall
Youghall Bay
Cable I.
Ballycotton Bay
Ballycotton I.
Middleton
Cloyne
Corke
Poor Head
Robert's Cove
Barry Pt.
Sovereign Rocks
Kinsale
Old Head
the Seven Heads
Clonekilty
Ross
Castlehaven
Baltimore
Cape Clear Island
Saltees I.
St. Patrick's Bridge
Hook Tower Light House
Sand with Hakes Teeth
the Nymph Bank Discovered in 1736 by Captain Doyle abounding with large Cod, Hake and Ling
Coarse White Sand and Broken Shells
White Sand with black Specks
Fine Bright Sand With Black Specks
WESTERN
OR
ATLANTIC OCEAN
Glittering Shells With Red and Black Sand
Ozzy Bottom with black Specks
Fine White Sand with Ooze
Fine White small Sand with Ooze
Gray and Ooze Grounds With Small Black Sand
Jones's Bank
Grey Sand with Ooze
Black Sand
Pepper Sand Black and Yellow
Brown Sand With Small Shells
Fine White Sand
White Sand with bright Shells
Middling soft Bottom with fine Grey Sand, pieces of Mother of Pearl and Red Specks
White Sand With Grey Specks
Shells and Stones
Red Sand
Fine Grey Sand
Hard Bottom with
Sand like ground Wheat with Queen Shells
SCILLY ISLANDS
Brown Sand
Fine Grey Sand
Scale of Sea Leagues each of whom is equal to three Miles
52
51
50
10
9
8
7
III
IV
VI

A NEW HYDROG
BRITIS
with PART of the ATLANT
Improved from THE LAR GE CHART of
The Smaller Figures shew the Depth of Water in Fathoms. — The Roman
the Time of High Water, or rather the End of the Stream setting to the East
and Full Moon. If the Time of the Moons Southing or Northing is added
near the Place where your Ship is, the Sum will shew you how long
Easterly. When the Sum shall exceed 12 you must Substrac
London. Printed for Robt. Sayer and Jno. B
ENTRANCE OF St. GEORGE'S CHANNEL
SOUTH WALES
BRISTOL CHANNEL
CORNWALL
DEVONSHI
Cardigan
Newport
Fisgard
St. Davids Head
St. BRIDES BAY
Haverford West
Milford Haven
Pembroke
Tenby
St. Gowens Pt.
Carmarthen
CARMARTHEN BAY
Kidwelly
Swansey
SWANSEY BAY
Neath
Lundy Island
BARNSTAPLE BAY
Barnstaple
Bideford
Hartland Point
Tintagel Head
Padstow
Truroe
Falmouth
St. Anthony's Head
Penzance
Lands End
Cape Cornwall
Lizard Point
Lostwithiel
East Looe
Fowey
Deadmans Point
Eddystone
PLYMOUTH
Rame Head
Dartmouth
Start Point
Start Bay
Kingsbridge
SCILLY ISLANDS
St. Marys
St. Martins
Smalls
Tuskar


Clonekilty
Ross
Castlehaven
Baltimore
Courtmacshery
Bay
Black Head
Light House
Old Head
the Seven Heads
Balcalaw Head
Dundedy or Galley Head
Robares
Toe Head
the Stags or Ragged Iª
Baltimore Bay
Cape Clear Island
III
Coarse White Sand and Broken Shells
White Sand with black specks
the Nymph Bank Discovered in 1736 by Captain Doyle abounding with large Cod, Hake and Ling
Fine Bright Sand With Black Specks
WESTERN
OR
ATLANTIC OCEAN
Scale of Sea Leagues each of whom is equal to three Miles
Ouzy Bottom with black Specks
Glittering Shells With Red and Black Sand
Grey and Ouzy Ground With Small Black Sand
Jones's Bank
Fine White Sand with Ouze
Fine White small Sand with Ouze
Grey Sand with Ouze
Black Sand
Pepper Sand Black and Yellow
Brown Sand With Small Shells
Fine White Sand
White Sand with bright Shells
Middling soft Bottom with fine Grey Sand, pieces of Mother of Pearl and Red Specks
White Sand With Grey Specks
Shells and Stones
Red Sand
Fine Grey Sand
Red Sand
Hard Bottom with Coarse Grey Sand, small Black Stones, Yellow and Sawdust like Shells
Coarse Sand with Shells
Coarse Sand with Shells
Coarse Sand With small Stones
Small White Sand
Fine White Sand
Degrees of Longitude West from London.
51
50
49
10
9
8

Published as the Act directs, by Robᵗ. Sayer & Jnᵒ. Bennett, 1ˢᵗ. Augᵗ. 1777.


BRIST
the Hen & Chickens
Lundy Island
Rat I.
BARNSTAPLE
BA
Hartland Point
Clovelly
Stoke
Moorwinstow
Stow
Northcot Mouth
Bude
Widemouth
Poundstock
Cam Beak
St. Gennis
Tintagel Head
Tintagel
Tregardock
Hendra
Port Isaac
Pentyre Point
Newland Black Rock
Gull Land
Trevose Head
Cow & Calf
Padstow
Wade Bridge
Pencarn Pt.
Port Mangan
Towan Hd. & Bay
Carters Rock
the Master & his Man
St. Agnes
the Stones
Godrevy
Phillack
St. Earth
Carracks
Gurnards Head
the three Stone Oar
Zenor
Pendeen
St. Ives
Cape Cornwall
St. Just
Penzance
Newlyn
Long Ships
Carn Bas
Lands End
St. Buryan
Gull Rock
the Wolf a Sharp Rock above Water at ½ Tide
Lizard Point
Black Head
the Bumble
the Stags
Manacles
St. Kevern
the Nare
St. Anthony's Head
Falmouth
Penryn
Truroe
Lostwithiel
St. Blazey
Fowey
Deadmans Point
West Looe
East Looe
Eddystone
CORNWALL
DEV
Yellow Sand
Fine Small Red Sand
Sand like Ground Wheat with Queen Shells
Sand like Bran
the Seven Stones
Sunken Rock on which Capt. Thompson of the Betty Struck
SCILLY ISLANDS
St. Marys
St. Agnes Light House
Collins Bank
Brown Sand
Fine Grey Sand
Ooze with Queen Shells
Stoney Ground with some Red Shells
A Fair Coarse Sand
White and Red Shells Sand
Brown Sand
Ooze with broken Shells
Oozey Sand
Grey Sand
Stones and Shells
Shells with Black Sand
Grey Red Sand with Scollops
Stones and Shells
Brimey Sand
Hard Bottom with Coarse Grey Sand
Very hard Bottom with Coarse Yellow Sand and Large broken Shells
White and Yellow Rough Sand with glittering Specks
Hard Bottom with Grey Sand, broken pearl Mother Yellow Shells & White pebbles
Grey Red and Yellow Ground and Fine small Shells Sand with pieces of Little Shells like mustard Seed
White and Yellow Sand
Grey Shells Sand with pieces of Red & Black Shells & some Yellow & Gray Stones
White and Yellow Coarse Sand with thin pieces of White Shells and Queen Shells
Ooze Muddy Sand
White Rubbish Stones with pieces of Queen Shells
White Sand
Appearance of Ushant
USHANT I.
Abervrack
Rocks of Porsal
Pt. Requestin
Basse Mar
I. Molene
Pierre Verte
Conquet
BREST
Landernau
Landela
St. Christ
B
VIII
VII
VI
V
IV
7
6
5
4
50
40
30
20
10



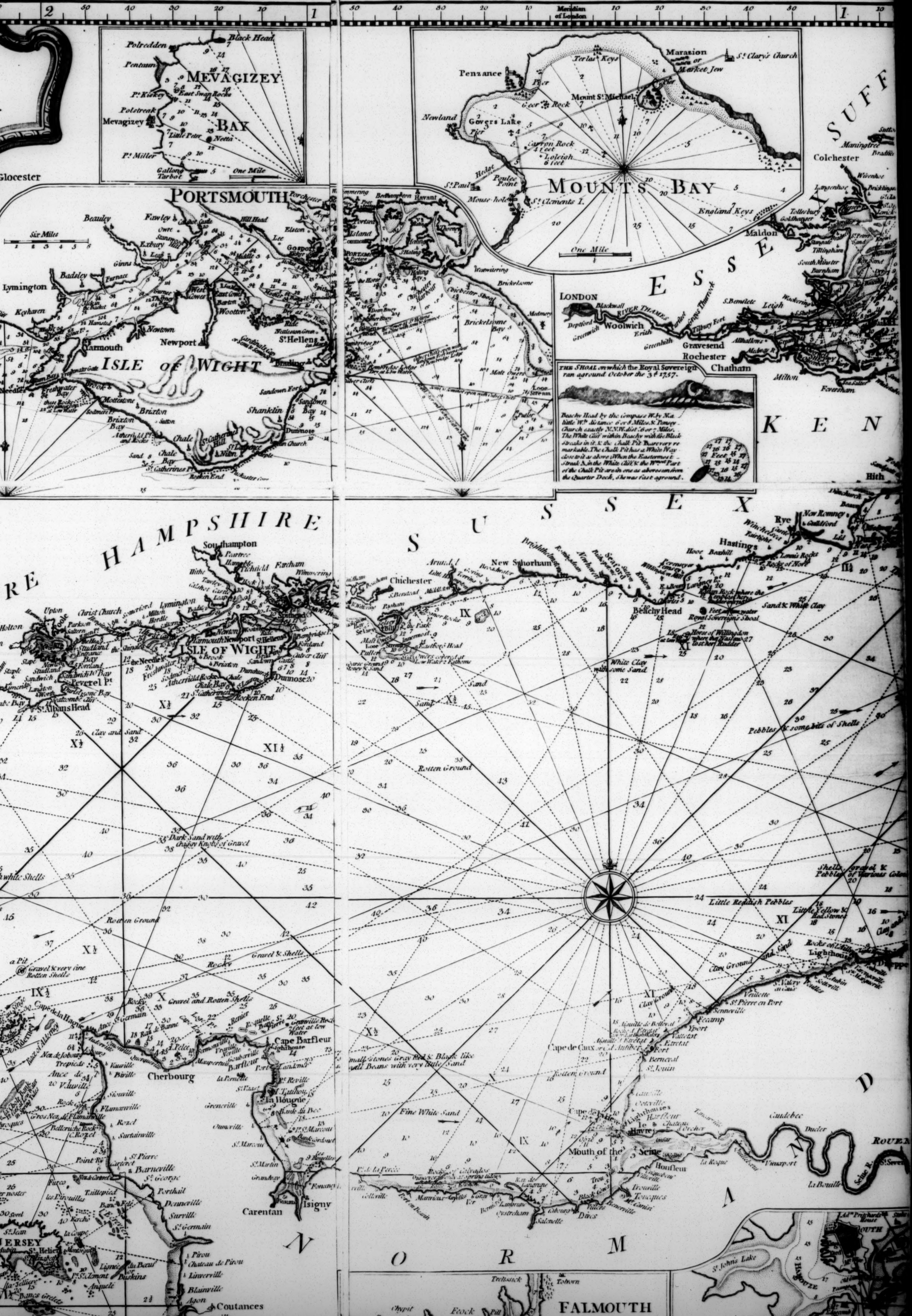
A NEW HYDROGRAPHICAL SURVEY OF THE BRITISH CHANNEL,

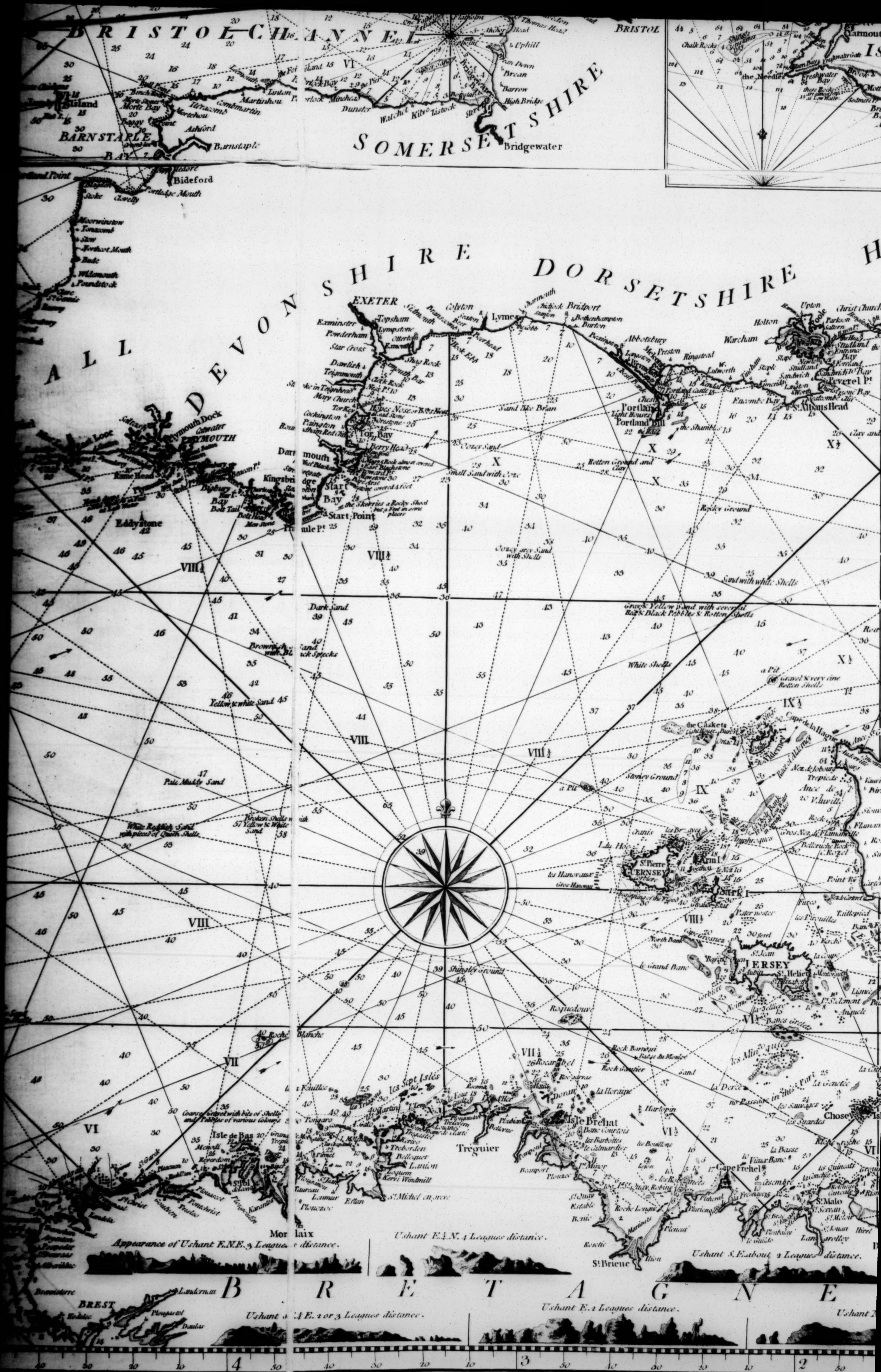
with PART of the ATLANTIC OCEAN as far as CAPE CLEAR,
Improved from THE LARGE CHART of the Late *THOMAS JEFFERY'S* Geographer to the KING.

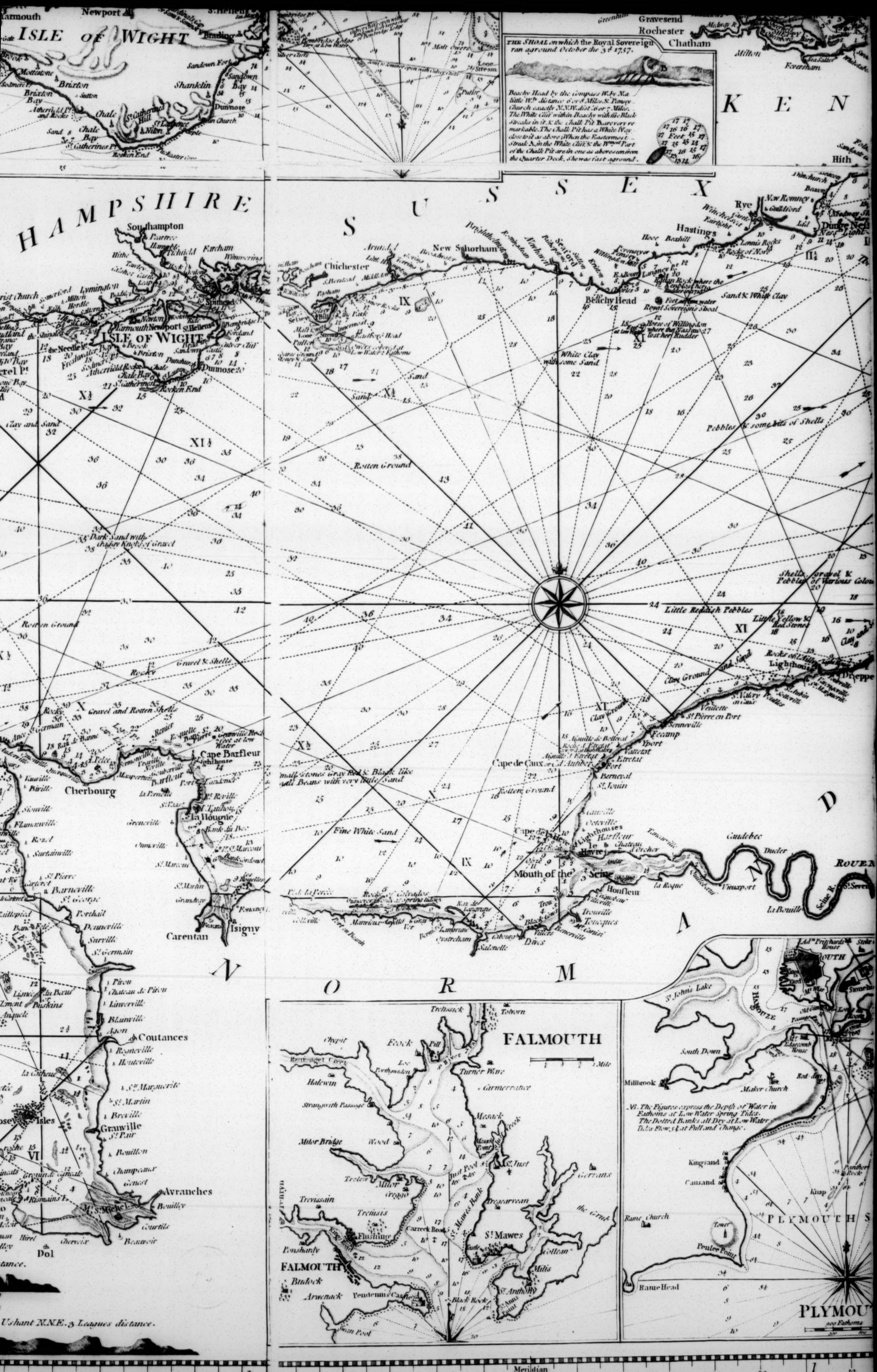
The Smaller Figures shew the Depth of Water in Fathoms, — The Roman Figures indicate the Time of High Water, or rather the End o ʼ the Stream setting to the Eastwards on the New and Full Moon. If the Time of the Moons Southing or Northing is added to the Number foun near the Place where your Ship is, the Sum will shew you how long the Tide is to run Easterly. When the Sum sh all exceed 12 you must Substract 12 therefrom.

The Darts shew the Direction of the Currents produced by the Tides, or upon what Point of the Compass the Tide Setts. A Northerly or Southerly Wind, if it blows hard, may alter that Dir.n about a Point. The Variation of the Needle has been Westerly, in the Channel since 1657. It is now about 20 Deg.s and an ⅛ It has been found that if you allow. One Degree of Variation for every 5 Years, you will always have the Variation in the Channel pretty exact.

London. Printed for Rob.t Sayer and Jn.o Bennett. N.o 53, Fleet Street, as the Act directs. 1.st August 1777.


Meridian of London
MEVAGIZEY BAY
Black Head
Polredden
Pentaun
East Swan Rocks
Mevagizey
Little Peter
Netts
Pt. Miller
Gallons Tarbot
One Mile
MOUNTS BAY
Penzance
Marazion or Market Jew
St. Clary's Church
Mount St. Michael
Newland
Govers Lake
Carron Rock
Loleigh
St. Paul
Mouse-hole
St. Clements I.
England Keys
One Mile
PORTSMOUTH
Gosport
Beauley
Fawley
Lymington
Keyhaven
Newtown
Newport
Yarmouth
St. Hellens
ISLE of WIGHT
Brixton
Shanklin
Sandown Bay
Dunnose
Chale
St. Catherines Pt.
Chichester Harbour
Bricklesome Bay
Six Miles
Glocester
LONDON
Blackwall
Deptford
Greenwich
Woolwich
RIVER THAMES
Erith
Greenhith
Tilbury Fort
Gravesend
Rochester
Chatham
S. Bemflete
Leigh
Allhallows
Maldon
Colchester
Maningtree
ESSEX
SUFF
KENT
Milton
Feversham
Hith
THE SHOAL on which the Royal Sovereign ran aground October the 3d 1757.
Beachy Head by the compass W. by N. a little Wly. distance 6 or 8 Miles & Pemsey Church exactly N.N.W. dist. 6 or 7 Miles. The White Cliff within Beachy with the Black Streaks in it, & the Chalk Pit B are very remarkable. The Chalk Pit has a White Way close to it as above; When the Eastermost Streak A, in the White Cliff, & the Wternmost Part of the Chalk Pit are in one as above seen from the Quarter Deck, She was fast aground.
Feet
HAMPSHIRE
SUSSEX
Southampton
Fareham
Christ Church
Lymington
Chichester
Arundel
New Shorham
Beachy Head
Royal Sovereign's Shoal
Hastings
Rye
Winchelsea
New Romney
Isle of Purbeck
Peverel Pt.
St. Albans Head
Rotten Ground
Dark Sand with Craggy Knobs of Gravel
Pebbles & some bits of Shells
Shells, gravel, & Pebbles of Various Colours
Little Reddish Pebbles
Clay Ground and Sand
Gravel & Shells
Fine White Sand
Small Stones Gray Red & Black like small Beans with very little Sand
Cape de la Hague
Cherbourg
Cape Barfleur
La Hougue
Isigny
Carentan
Cape de Caux
Fecamp
Dieppe
Havre
Mouth of the Seine
Honfleur
Caudebec
ROUEN
JERSEY
St. Helier
Coutances
NORMANDY
FALMOUTH
One Mile


BRISTOL CHANNEL
BRISTOL
Island
BARNSTAPLE BAY
Barnstaple
Bideford
Morte Bay
Ilfracombe
Combmartin
Martinhou
Linton
Porlock
Minehead
Dunster
Watchet
Kilve
Stoke
Uphill
Brean
Barrow
High Bridge
Bridgewater
SOMERSETSHIRE
Shingles
the Needles
Freshwater Bay
Chalk Rocks
Clovelly
Hartland Point
Stow
Northcot Mouth
Bude
Widemouth
DEVONSHIRE
DORSETSHIRE
EXETER
Exminster
Topsham
Lympstone
Powderham
Star Cross
Sidmouth
Branscombe
Colyton
Seaton
Beer
Lyme
Charmouth
Chideock
Bridport
Bothenhampton
Burton
Abbotsbury
Preston
Weymouth
Ringstead
Lulworth
Wareham
Holton
Poole
Upton
Christ Church
Studland Bay
Peverel Pt.
St. Albans Head
Encombe Bay
Portland
Light Houses
Portland Bill
the Shambles
Exmouth Bar
Dawlish
Teignmouth
Mary Church
Tor Bay
Cockington
Paington
Dartmouth
Berry Head
Kingsbridge
Start Bay
Start Point
Bolt Head
Bolt Tail
Bigbury Bay
PLYMOUTH
Plymouth Dock
Rame Head
Eddystone
East Loo
Sand like Bran
Small Sand with Oose
Rotten Ground and Clay
Rocky Ground
Coarse grey Sand with Shells
Sand with white Shells
Gray & Yellow Sand with several Red & Black Pebbles & Rotten Shells
Dark Sand
Brown Sand with Black Specks
Yellow & white Sand
White Shells
Pale Muddy Sand
Broken Shells with Yellow & White Sand
White Reddish Sand with pieces of Oaten Shells
Stoney Ground
a Pit
Gravel & very fine Rotten Shells
Shingle Ground
the Caskets
Light House
Aldernay
Race of Aldernay
Cape de la Hague
Anse de Vauville
Flamanville
Les Hanovaux
GUERNSEY
St. Pierre
Arm I.
Sark I.
Pater noster
St. Jean
JERSEY
St. Helier
le Grand Banc
Roquedouve
Bancs Grelets
les Minquiers
No Passage in this Part
les Sauvages
Chosey Isles
Rock Barneaux
Rock Gautier
Roche Blanche
les Sept Isles
Rocardel
Tomé
Isle de Bas
Treguier
Isle Brehat
Lanion
Treborden
Kerri Windmill
St. Michel en greve
Lannion
Binic
St. Quay
Roche Longue
Cape Frehel
St. Malo
St. Servan
St. Brieuc
Morlaix
BREST
Landerneau
Plougastel
BRETAGNE
VI
VII
VIII
VIII½
IX
IX½
X
X½
XI½
Appearance of Ushant E.N.E. 3 Leagues distance.
Ushant E.¾N. 4 Leagues distance.
Ushant S.E. about 2 Leagues distance.
Ushant S.E.½E. 2 or 3 Leagues distance.
Ushant E. 2 Leagues distance.
4
3
2



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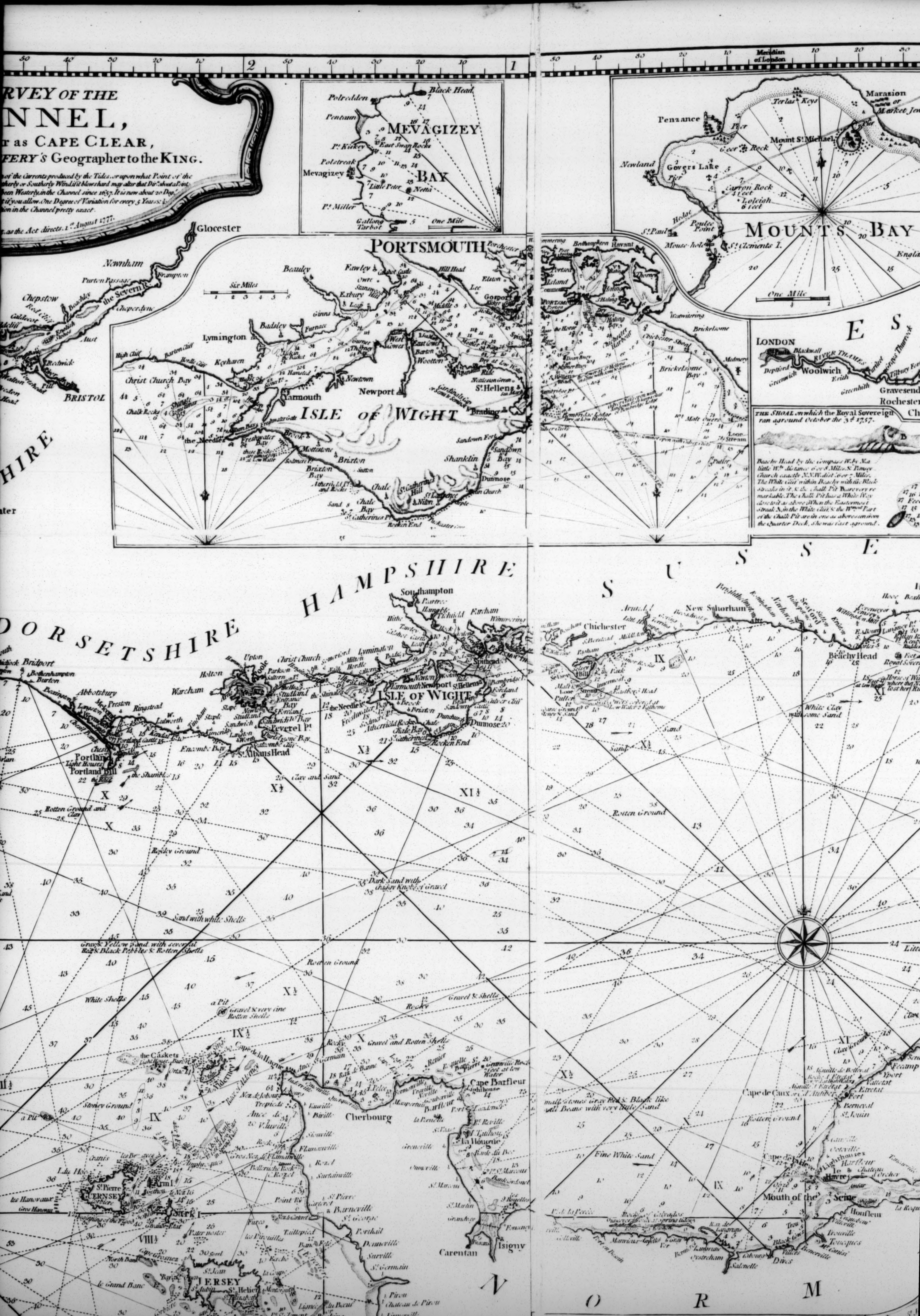
RVEY OF THE
NNEL,
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FERY's Geographer to the KING.
of the Currents produced by the Tides, or upon what Point of the
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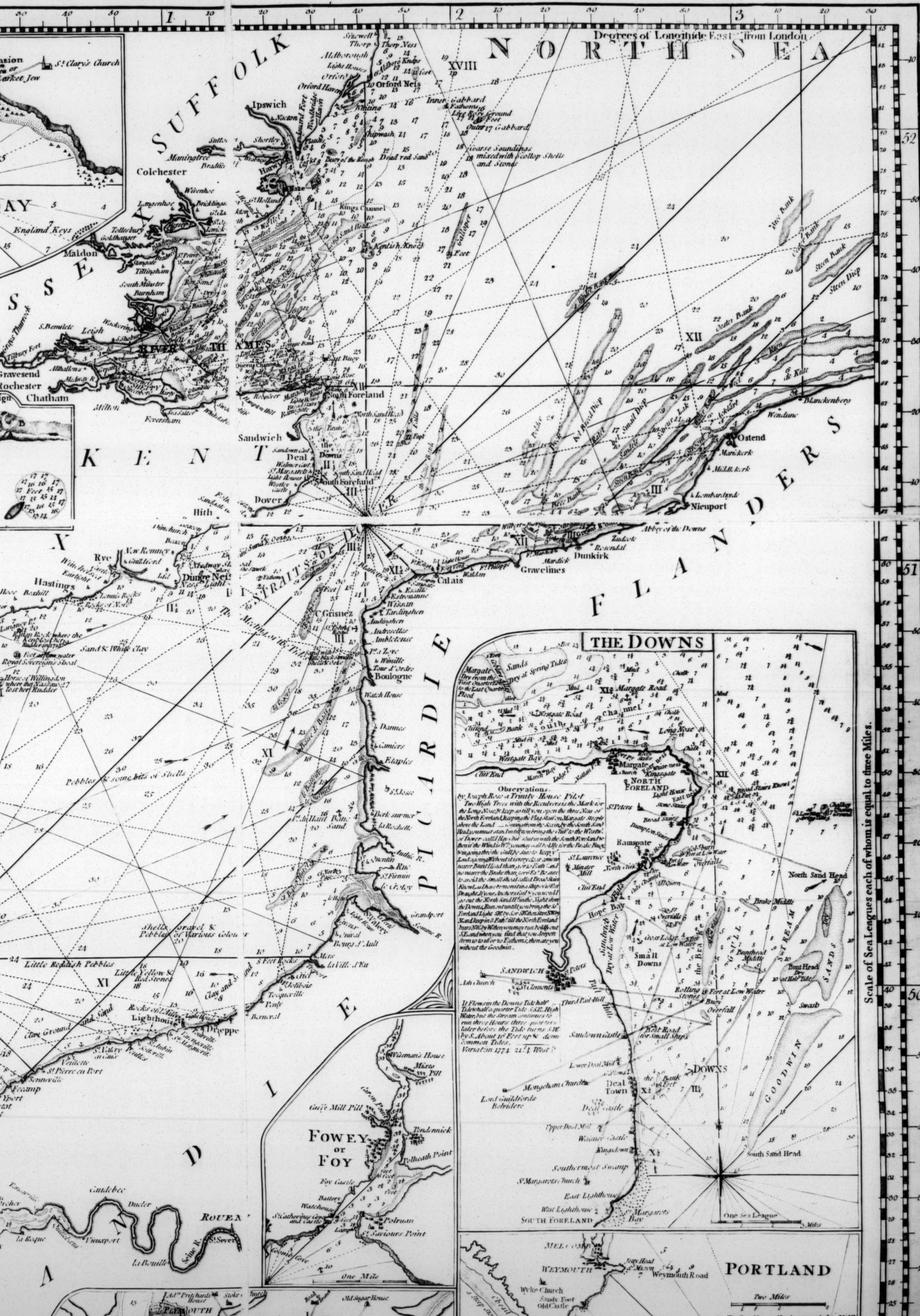
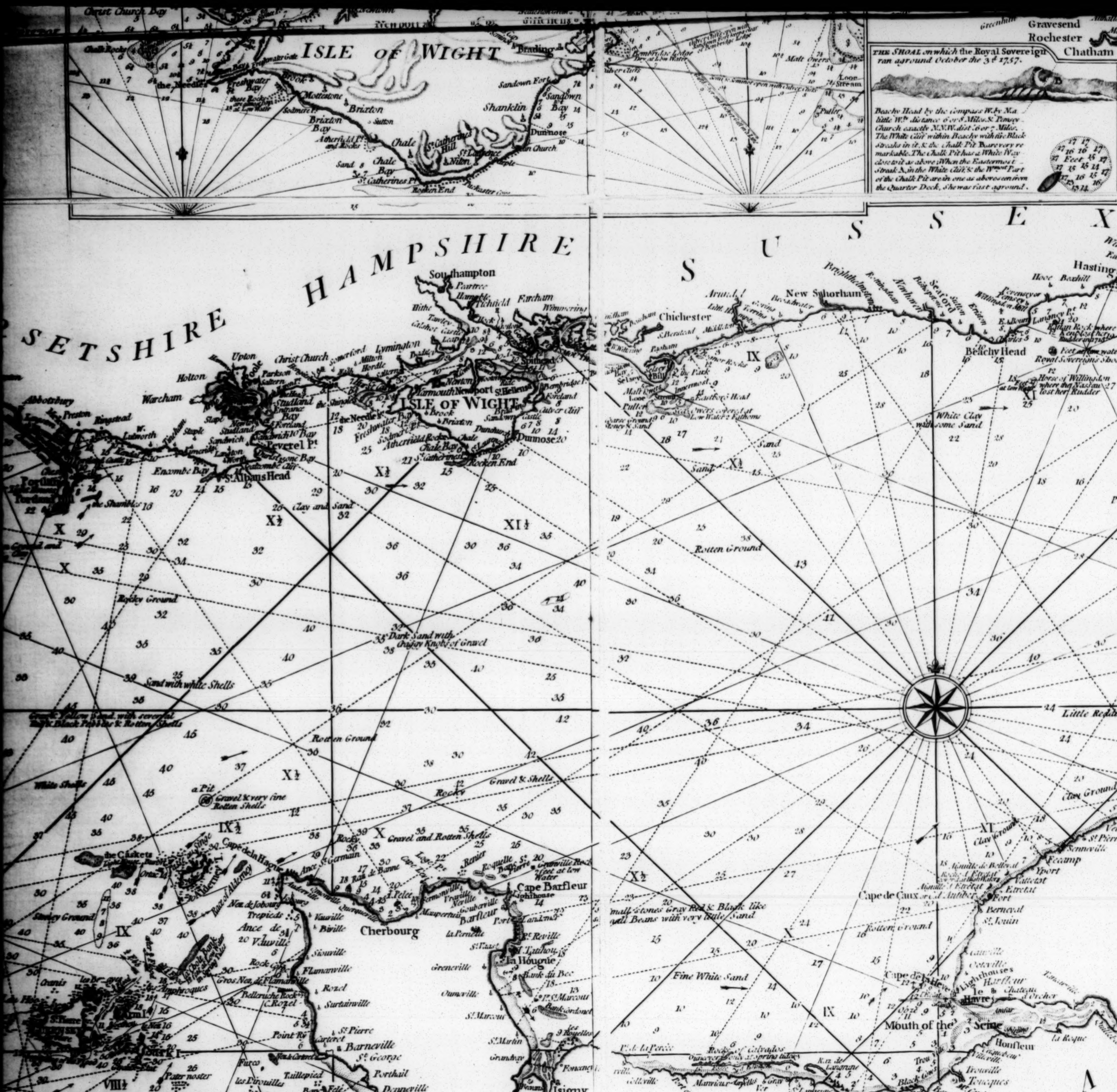
t if you allow. One Degree of Variation for every 5 Years &
tion in the Channel pretty exact.
as the Act directs. 1st August 1777.
MEVAGIZEY BAY
One Mile
PORTSMOUTH
Six Miles
ISLE OF WIGHT
MOUNTS BAY
Penzance
Mount St. Michael
Marazion or Market Jew
One Mile
LONDON
Woolwich
Gravesend
Rochester
THE SHOAL on which the Royal Sovereign ran aground October the 3d 1757.
Beachy Head by the compass W. by N. a little Wly. distance 6 or 8 Miles. St. Pancras Church east the N.N.W. dist. 6 or 7 Miles. The White Cliff within Beachy with the Black streaks in it & the Chalk Pit there very remarkable. The Chalk Pit has a White Way close to it as above. When the Easternmost streak & the White cliff & the Wnmost Part of the Chalk Pit are in one as above seen from the Quarter Deck, She was cast aground.
Glocester
Chepstow
the Severn R.
BRISTOL
HIRE
HAMPSHIRE
DORSETSHIRE
S U S S E
Southampton
Chichester
New Shoreham
Beachy Head
Bridport
Abbotsbury
Weymouth
Portland
Portland Bill
Warcham
Poole
Christ Church
Lymington
St. Albans Head
Peverel Pt.
ISLE OF WIGHT
Rocken End
Dunnose
Spithead
Bill
Rotten Ground
Sand with white Shells
Gravel & Shells
Fine White Sand
the Caskets
Cape de la Hague
Cape Barfleur
Cherbourg
La Hougue
Carentan
Isigny
GUERNSEY
St. Pierre
Sark I.
JERSEY
St. Helier
Cape de Caux
Fecamp
Havre
Mouth of the Seine
Honfleur
N O R M
Meridian of London

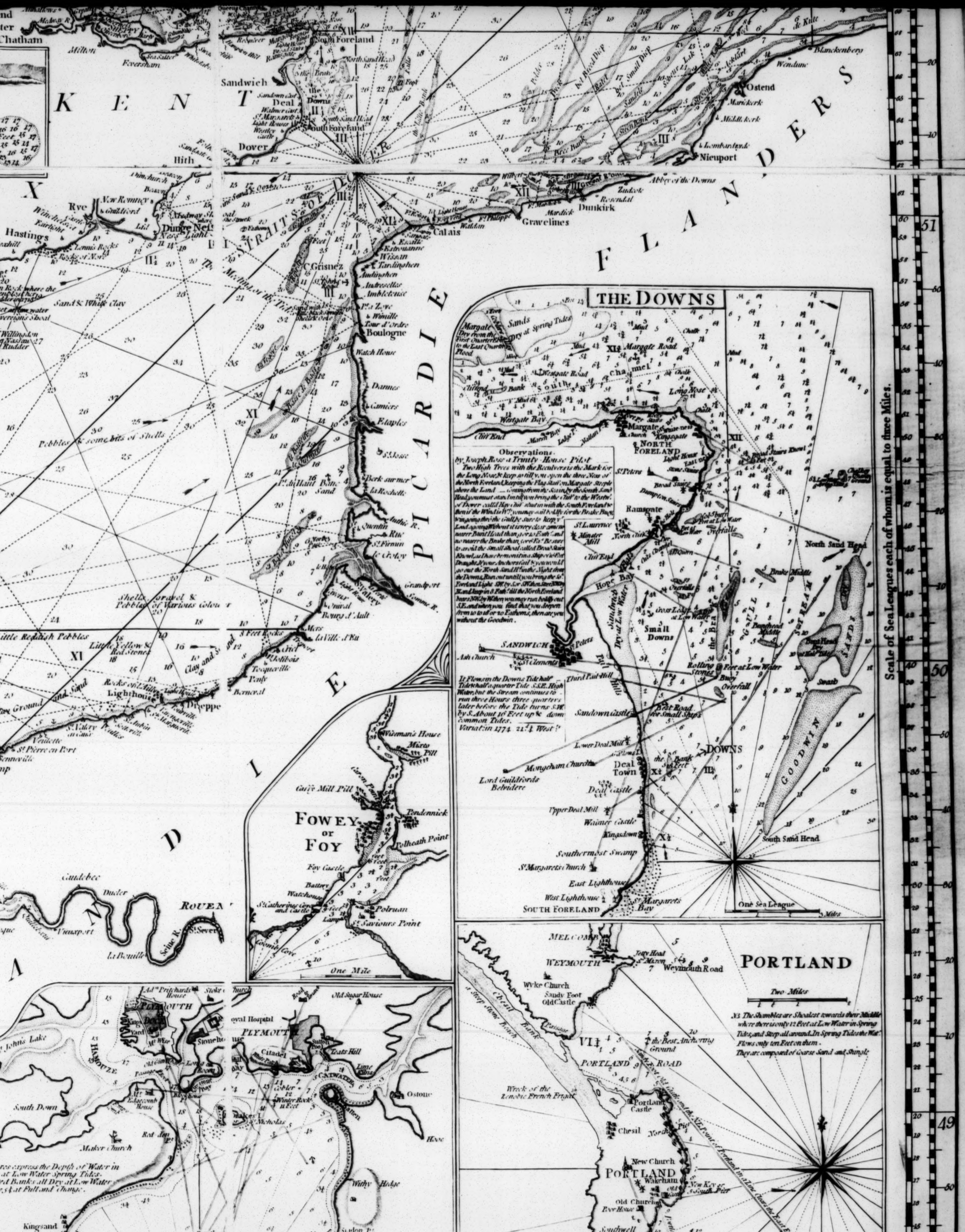


Observations
by Joseph Ross a Trinity House Pilot
Two High Trees with the Reculvers is the Mark for the Long Nose, & keep so till you open the three Ness of the North Foreland, keeping the Flag Staff on Margate Steeple above the Land — Coming from the South by the South Sand Head you must stand on till you bring the Cliff to the Westw.d of Dover called Hay Cliff shut in with the South Foreland & then if the Wind is W.ly you may sail boldly for the Brake Buoy & in going thro the Gull be sure to keep y.e Land going Without it is very clear come no nearer Bunt Head than 5 or 6 Fath.m and no nearer the Brake than 5 or 6 Fa.m Be sure to avoid the Small Shoal called Broad Stairs Knowl, as I have been on it in a Ship of 16 Feet Draught. If your Anchors fail & you would go out the North Sand H.d in the Night from the Downs, Run out untill you bring the S.o Foreland Light SW by S or SW then Steer NE by N. and keep in 8 Fath.m till the North Foreland bears NW by W then you may run boldly out S.E. and when you find that you deepen from 10 to 18 or 20 Fathoms, then are you without the Goodwin.

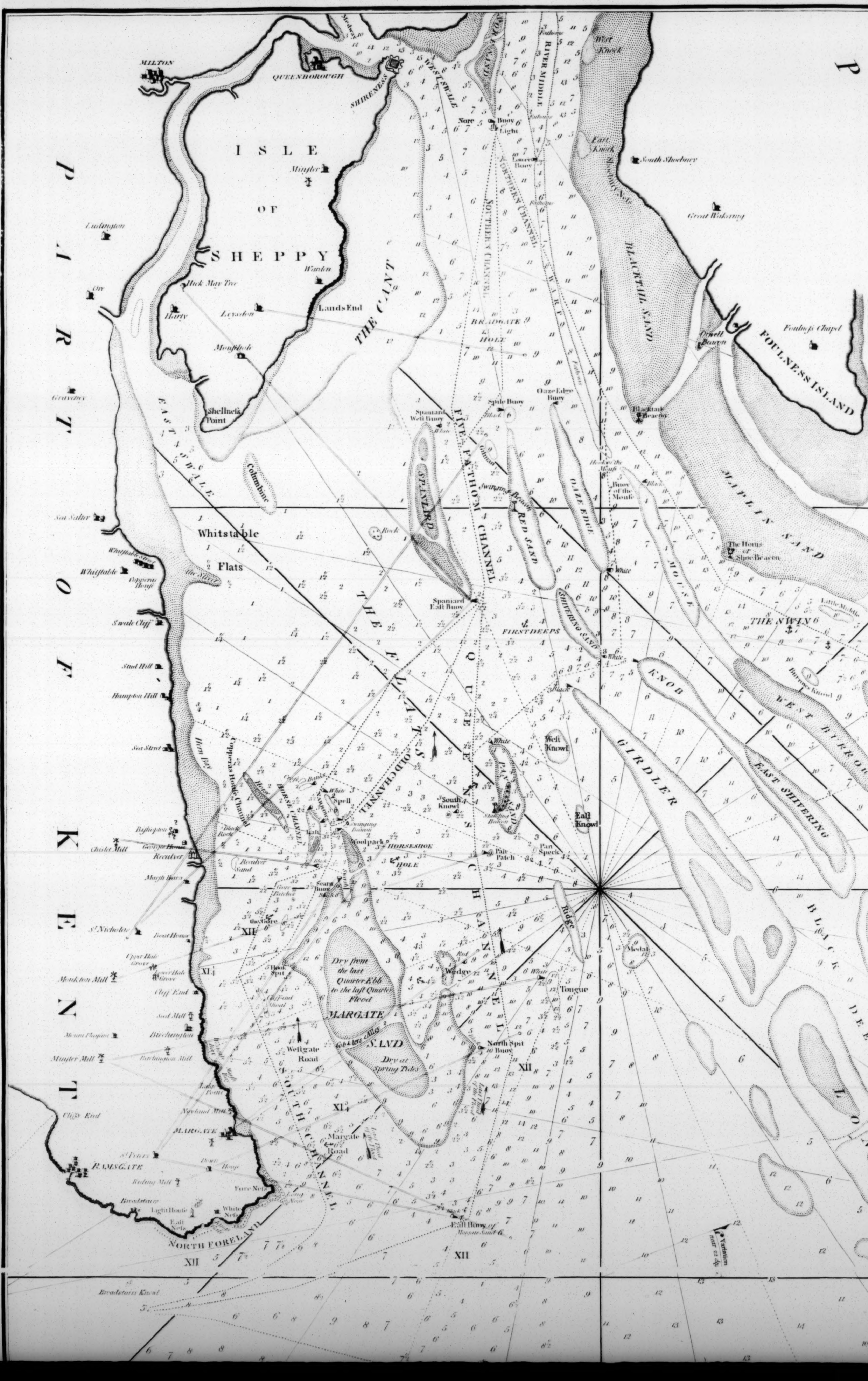
It Flows in the Downs Tide half Tide & half a quarter Tide S.S.E. High Water, but the Stream continues to run three Hours three quarters later before the Tide turns S.W. by S. About 16 Feet up & down common Tides.
Variation 1774 21° ¼ West

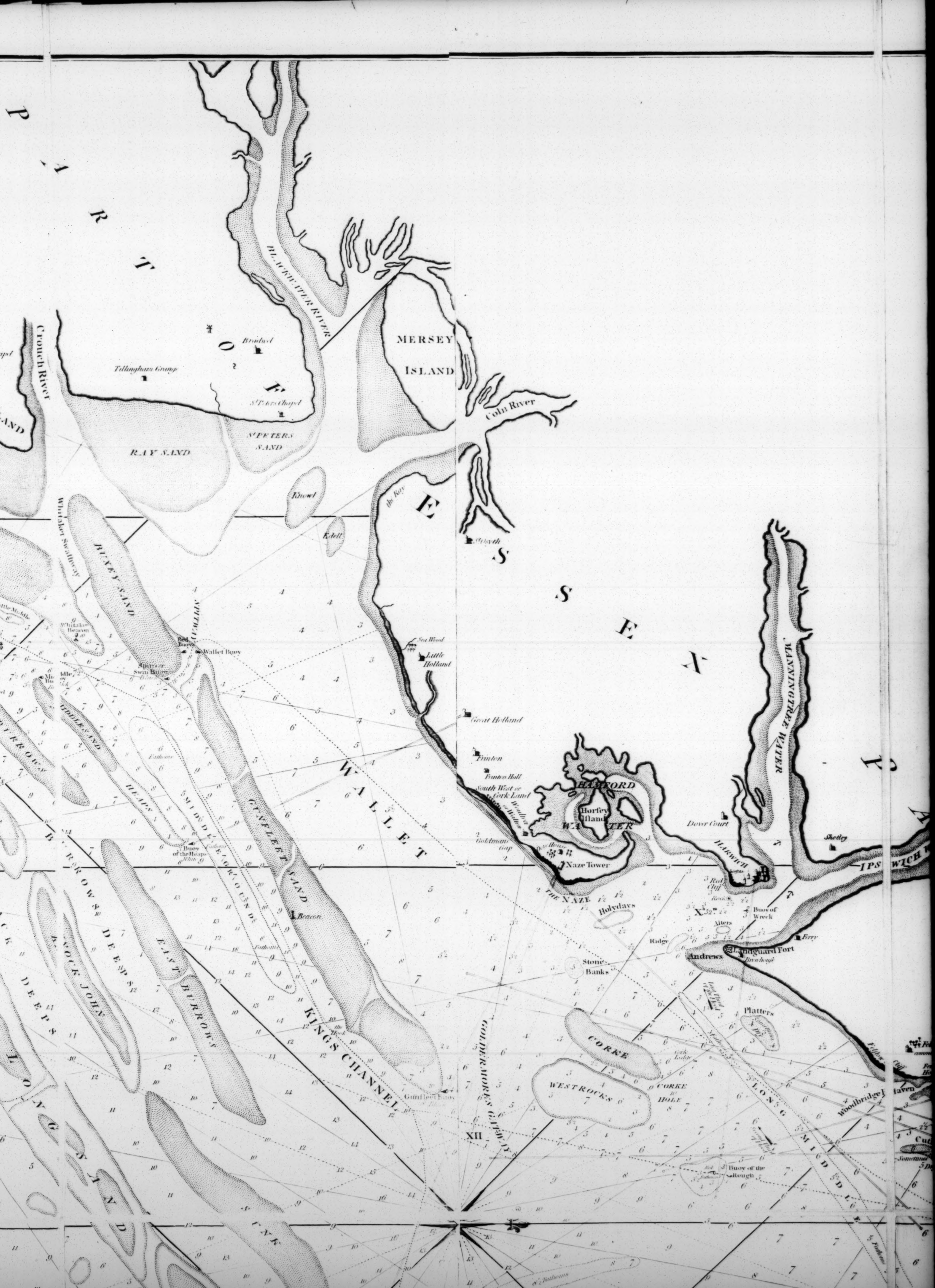
N.B. The Shambles are Shoalest towards their Middle where there is only 12 Feet at Low Water in Spring Tides, and Steep all around. In Spring Tides the Water Flows only ten Feet on them.
They are composed of Coarse Sand and Shingle.

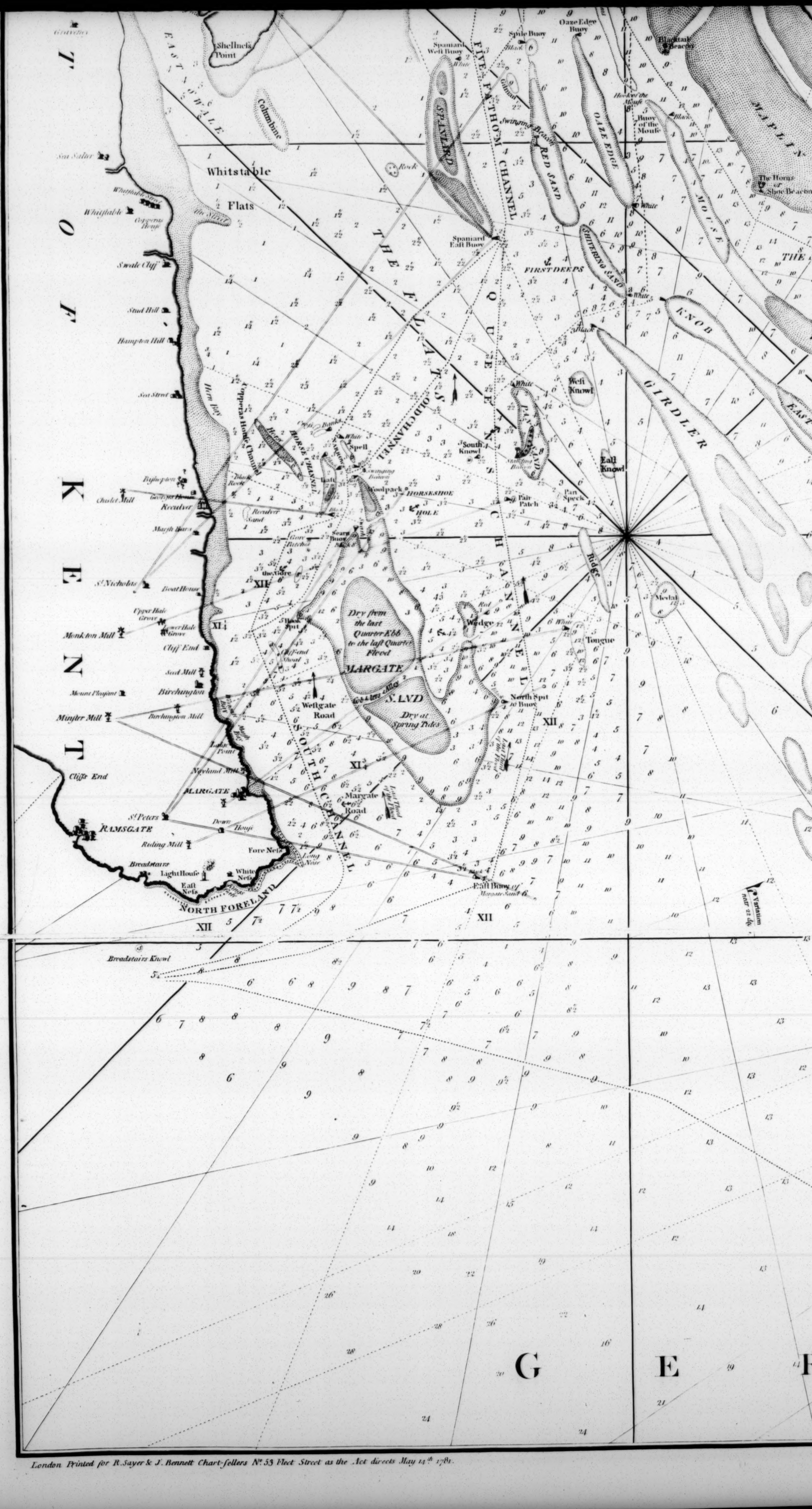

ISLE OF WIGHT
Christ Church Bay
Brading
Freshwater Bay
Mottestone
Brixton
Shanklin
Sandown Bay
Dunnose
Chale Bay
St. Catherines Pt.
Rocken End
Gravesend
Rochester
Chatham
THE SHOAL on which the Royal Sovereign ran aground October the 3d 1757.
Beachy Head by the compass W. by N. a little Wly distance 6 or 8 Miles & Pemsey Church exactly N.N.W. dist. 6 or 7 Miles. The White Cliff within Beachy with the Black Streaks in it & the Chalk Pit B are very remarkable. The Chalk Pit has a White Way close to it as above; When the Eastermost Streak A, in the White Cliff & the Wmost Part of the Chalk Pit are in one as above seen from the Quarter Deck, She was fast aground.
Feet
HAMPSHIRE
SETSHIRE
S U S S E X
Southampton
Chichester
Arundel
New Shoreham
Brighthelmstone
Seaford
Beachy Head
Hastings
Hooe
Bexhill
Royal Sovereign's Shoal
Christ Church
Lymington
Upton
Holton
Wareham
Abbotsbury
Preston
Studland
Peverel Pt.
St. Albans Head
Portland
the Shambles
Stokes Bay
ISLE OF WIGHT
the Needles
Newport
Yarmouth
Dunnose
Rocken End
Rotten Ground
Dark Sand with chissy Knobs of Gravel
Sand with white Shells
White Shells
a Pit
Gravel & very fine Rotten Shells
Gravel & Shells
Gravel and Rotten Shells
Clay and Sand
White Clay with some Sand
Fine White Sand
Small stones Gray Red & Black like small Beans with very little Sand
Little Redd
Clay Ground
the Caskets
Cape de la Hague
Race of Alderney
Cherbourg
Cape Barfleur
Barfleur
La Hougue
St. Vaast
Carentan
Isigny
Nez de Jobourg
Vauville
Flamanville
C. Rozel
Barneville
Portbail
St. George
Denneville
Surville
St. Germain
Pirou
Chateau de Pirou
Linverville
Blainville
Agon
Coutances
Regneville
Hauteville
St. Marguerite
St. Martin
Breville
Granville
St. Pair
Bouillon
Champeaux
Genest
Avranches
M. St. Michel
Beauvoir
Dol
St. Malo
St. Servan
Cape Frehel
Quinsais
JERSEY
St. Helier
Chosey Isles
les Minquiés
la Deroute
no Passage in this Part
les Sauvages
les Ecrehos
Paternoster
Ecrehou
Cape de la Heve
Havre
Honfleur
Mouth of the Seine
Harfleur
Fecamp
Yport
Etretat
Cape de Caux or C. d'Antifer
Berneval
Rotten Ground
Rochers of Calvados
Dives
Trou
Salenelle
Oystreham
N O R M A
G N E
Ushant S.E. about 2 Leagues distance.
Ushant N.N.E. 3 Leagues distance.
Leagues distance.
FALMOUTH
Mile
Tregothnan
Turner Ware
Carmerrance
Mesack
St. Just
Gerrans
Trelissick
Halewin
Strangwith Passage
Milor Bridge
Wood
Milor
Creggo
Trevissain
Treliscis
Flushing
Carreck Roads
St. Mawes Bank
Tregarvean
St. Mawes
Penhardy
FALMOUTH
Budock
Arwenack
Pendennis Castle
Black Rock
St. Anthony
Milis
Pill
the Creek
Millbrook
St. Johns Lake
South Down
Rame Church
Rame Head
Kingsand
Causand
NB. The Figures express the Depth in Fathoms at Low Water. The Dotted Banks are dry at Low Water. Tides Flow 5¼ at Full &c.
Meridian of London
50
40
30
20
10
2
1


K E N T
F L A N D E R S
P I C A R D I E
N O R M A N D I E
STRAITS OF DOVER
Chatham
Milton
Feversham
Sandwich
Deal
Dover
Hith
North Foreland
South Foreland
North Sand Head
South Sand Head
Ostend
Nieuport
Dunkirk
Gravelines
Calais
C. Grisnez
Boulogne
Etaples
Rye
Hastings
Dunge Ness
Dieppe
ROUEN
THE DOWNS
Margate
Margate Road
South Channel
Westgate Bay
Ramsgate
Pegwell Bay
SANDWICH
Small Downs
Gull Stream
GOODWIN SAND
Deal Town
Deal Castle
Walmer Castle
Kingsdown
St. Margarets Bay
SOUTH FORELAND
One Sea League
3 Miles
Observations. by Joseph Ross a Trinity House Pilot
Two High Trees with the Reculvers is the Mark for the Long Nose, & keep so till you open the three Ness of the North Foreland, keeping the Flag Staff on Margate Steeple above the Land — coming from the Southward by the South Sand Head you must stand in till you bring the Cliff to the Westwd. of Dover called Hay Cliff shut in with the South Foreland & then if the Wind is Wt. you may sail boldly for the Brake Buoy, & in going thro' the Gull be sure to keep ye Land aboard without it is very clear come no nearer Burnt Head than 9 or 10 Fathm. and no nearer the Brake than 6 or 7 Fm. Be sure to avoid the Small Shoal called Broad Stairs Knowl, as I have been on it in a Ship of 16 Feet Draught & your Anchor stail & you would go out the North Sand Hd. in the Night from the Downs, Run out untill you bring the So. Foreland Light SW by S or SW, then Steer NE by N and keep in 8 Fathm. till the North Foreland bears NW by W, then you may run boldly out S.E. and when you find that you deepen from 10 to 18 or 20 Fathoms, then are you without the Goodwin.
It Flows in the Downs Tide half Tide & half a quarter Tide S.S.E. High Water, but the Stream continues to run three Hours three quarters later before the Tide turns S.W. by S. About 16 Feet up & down common Tides.
Variat: in 1774 21d ¼ West
FOWEY OR FOY
One Mile
PLYMOUTH
PLYMOUTH SOUND
Plymouth Dock
Stonehouse
Catwater
Mount Edgecomb House
Penlee Point
Mewstone
300 Fathoms
…ures express the Depth of Water in … at Low Water Spring Tides. …d Banks all Dry at Low Water … 5¼ at Full and Change.
PORTLAND
WEYMOUTH
Weymouth Road
PORTLAND ROAD
Portland Castle
the Shambles
Two Miles
NB. The Shambles are Shoalest towards their Middle where there is only 12 Feet at Low Water in Spring Tides, and Steep all around. In Spring Tides the Water Flows only ten Feet on them.
They are compounded of Coarse Sand and Shingle
Portland Race is here with Southerly Winds
Portland Race is here with Northerly Winds
Scale of Sea Leagues each of which is equal to three Miles.
Degrees of Longitude East from London.
51
50
49
1
2
3

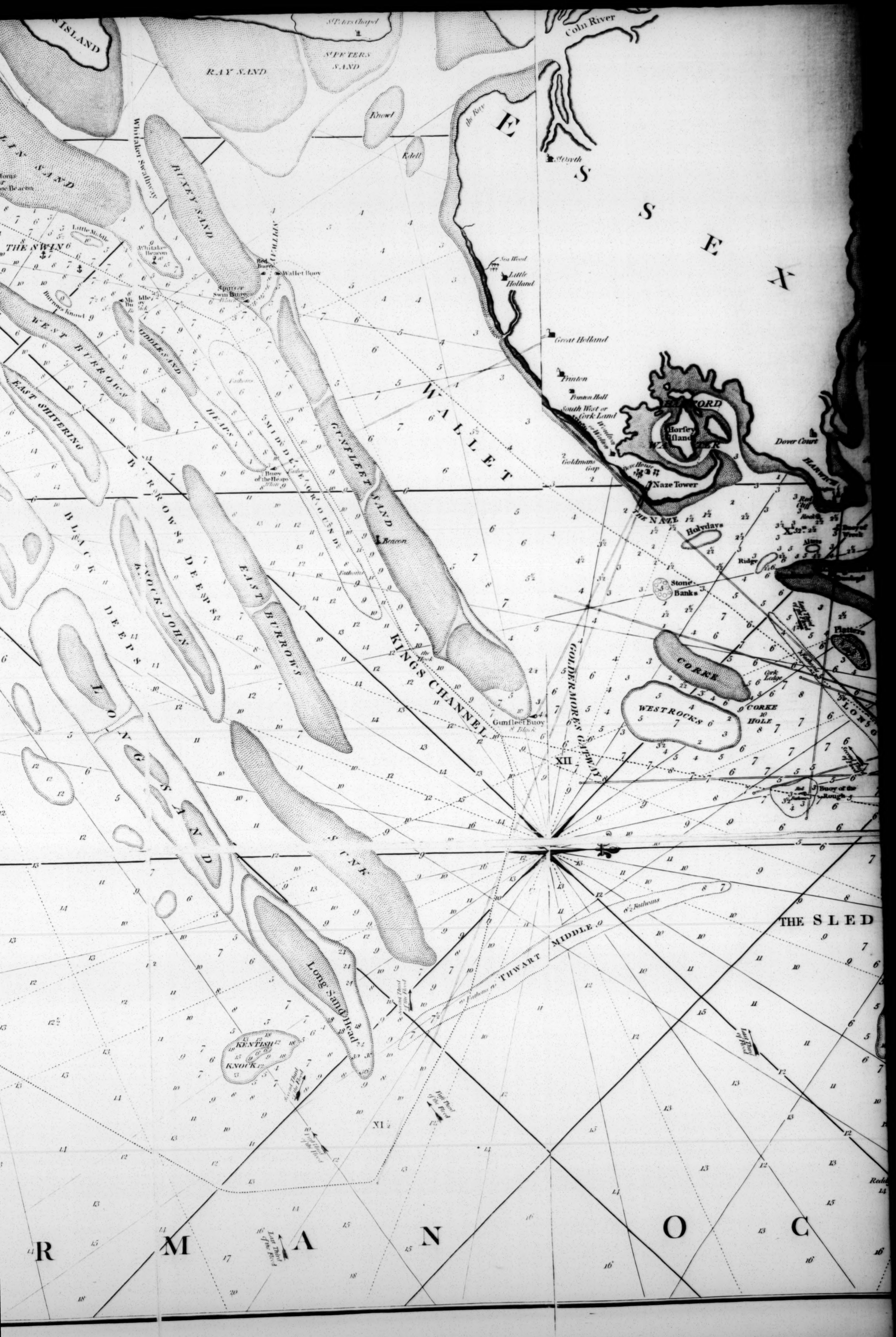
Published as the Act directs, by Robt. Sayer & John Bennett, 1st. Augt. 1777.

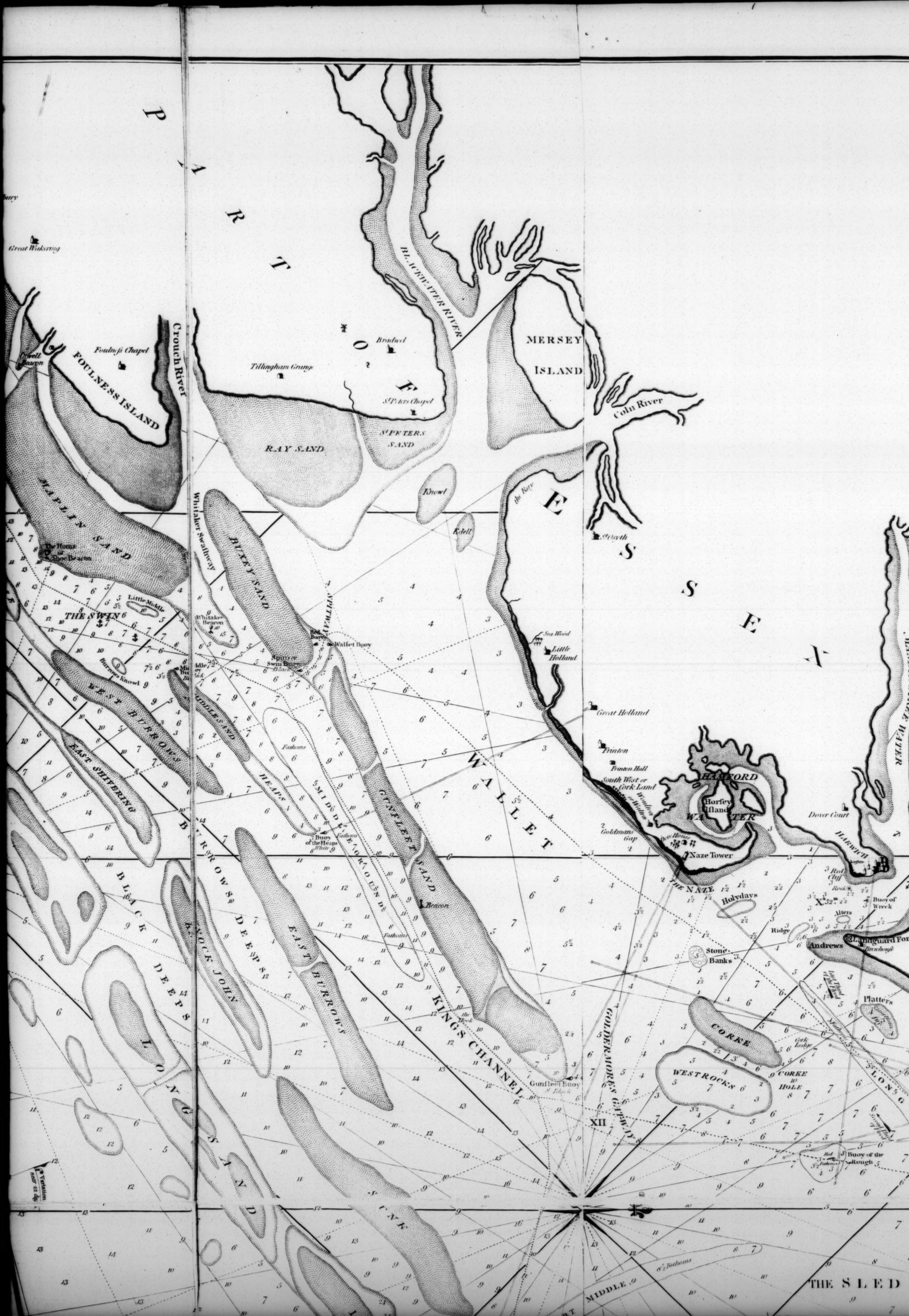

PART OF KENT
P
MILTON
QUEENBOROUGH
Medway
SHIRENESS
ISLE OF SHEPPY
Minſter
Warden
Hick May Tree
Harty
Leyſdon
Lands End
Mouſhole
Shellneſs Point
THE CANT
WEST SWALE
EAST SWALE
NORE SAND
Nore
Buoy Light
RIVER MIDDLE
Lower Buoy
NORTHERN CHANNEL
SOUTHERN CHANNEL
WARP
BRADGATE HOLE
West Knock
East Knock
Shoebury Neſs
South Shoebury
Great Wakering
BLACKTAIL SAND
Blacktail Beacon
Ouzell Beacon
Foulneſs Chapel
FOULNESS ISLAND
MAPLIN SAND
The Horns or Shoe Beacon
THE SWIN
Little Middle
Ludington
Ore
Graveney
Columbine
Spaniard Weſt Buoy
Spile Buoy
Ooze Edge Buoy
Buoy of the Mouſe
SPANIARD
FIVE FATHOM CHANNEL
Swinging Beacon
RED SAND
OOZE EDGE
MOUSE
Spaniard Eaſt Buoy
FIRST DEEPS
SHIVERING SAND
KNOB
GIRDLER
WEST BURROW
EAST SHIVERING
BLACK DEEP
LONG SAND
Rock
Sea Salter
Whitſtable Street
Whitſtable
Copperas Houſe
The Street
Whitſtable Flats
THE FLATS
QUEENS CHANNEL
Swale Cliff
Stud Hill
Hampton Hill
Sea Street
Herne Bay
Copperas Houſe Channel
HORSE CHANNEL
OLD CHANNEL
Spell
Woolpack
HORSESHOE HOLE
South Knowl
Weſt Knowl
PAN SAND
Eaſt Knowl
Pan Speck
Fair Patch
Ridge
Medal
Bishopton
Chislet Mill
George's Houſe
Reculver
Reculver Sand
Marſh Barn
Gore Patches
Sean Buoy
the Gore
XII
St. Nicholas
Boat Houſe
Upper Hale Grove
Lower Hale Grove
XI¼
Monkton Mill
Cliff End
Seal Mill
Mount Pleasant
Birchington
Minſter Mill
Birchington Mill
Hook Spit
Cliff and Shoal
Dry from the last Quarter Ebb to the laſt Quarter Flood
MARGATE SAND
Cob & lers Alley
Dry at Spring Tides
Weſtgate Road
Wedge
Tongue
North Spit Buoy
SOUTH CHANNEL
Cliffs End
Nayland Mill
MARGATE
Margate Road
St. Peters
Down Houſe
RAMSGATE
Riding Mill
Fore Neſs
Long Noſe
Broadstairs
Light Houſe
White Neſs
Eaſt Neſs
Kings Gate
NORTH FORELAND
Eaſt Buoy of Margate Sand
Broadstairs Knowl
Variation


P A R T O F
E S S E X
P A
Crouch River
Blackwater River
Bradwel
Tillingham Grange
St. Peters Chapel
RAY SAND
St. PETERS SAND
MERSEY ISLAND
Coln River
Knowl
Edell
The Ray
St. Osyth
Whitaker Swatheway
BUXEY SAND
SPITWAY
Red Buoy
Wallet Buoy
Spitts or Swin Buoy
Whitaker Beacon
Little Middle
Middle Buoy
MIDDLE SAND
BURROWS
HEAPS
MIDDLE
Buoy of the Heaps
GUNFLEET SAND
Beacon
WALLET
Sea Wood
Little Holland
Great Holland
Frinton
Frinton Hall
South West or Cork Land
Woodlett or Walton
Goldmans Gap
Dove House
Naze Tower
THE NAZE
HAMFORD WATER
Horfey Island
Dover Court
HARWICH
Lights
Red Cliff
Rocks
Holydays
Buoy of Wreck
Alters
Ridge
Andrews
Landguard Fort
Ferry
Shotley
MANNINGTREE WATER
IPSWICH
Stone Banks
Platters
BURROWS DEEPS
EAST BURROWS
KNOCK JOHN
KNOCK DEEPS
LONG SAND
SUNK
KINGS CHANNEL
Gunfleet Buoy
GOLDERMORES GATEWAY
CORKE
WESTROCKS
CORKE HOLE
Cork Ledge
LONG SAND MIDDLE
Buoy of the Rough
Woodbridge Haven
XII
THE SLED
Fathoms

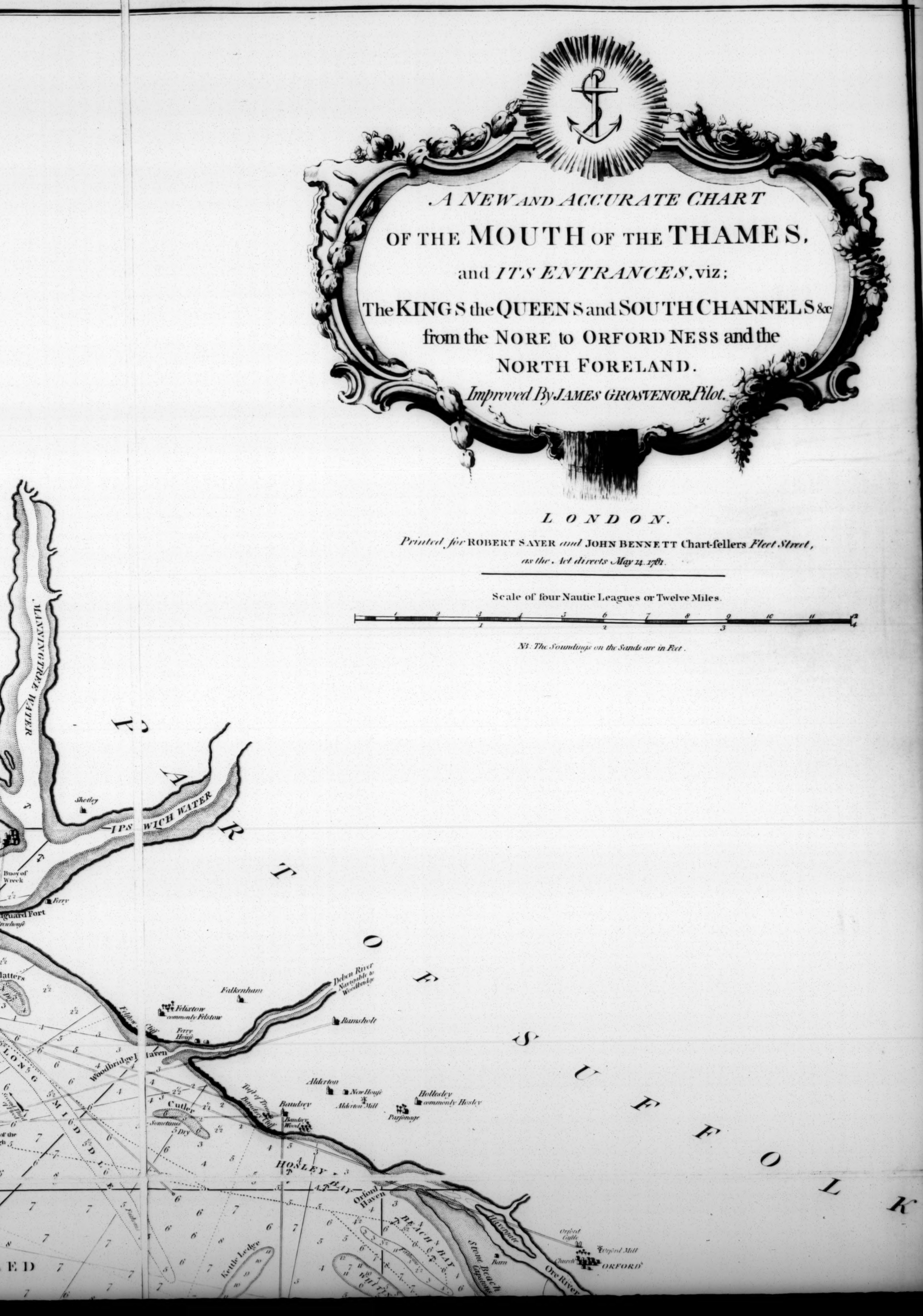


London Printed for R. Sayer & J. Bennett Chart-ſellers No. 53 Fleet Street as the Act directs May 14th 1781.

ESSEX
Coln River
St. Osyth
St. Peters Chapel
St. PETERS SAND
RAY SAND
ISLAND
Knowl
Edell
the Ray
Sea Wood
Little Holland
Great Holland
Frinton
Frinton Hall
South West or Cork Land
Goldmans Gap
Horsey Island
Naze Tower
THE NAZE
Dover Court
HARWICH
Red Cliff
Holydays
Ridge
Stone Banks
Platters
CORKE
Cork Ledge
WESTROCKS
CORKE HOLE
Buoy of the Rough
THE SLED
WALLET
Wallet Buoy
Red Buoy
Spitts or Swin Buoy
SWATWAY
BUXEY SAND
Whitaker Swatway
Whitaker Beacon
Little Middle
THE SWIN
Burrows Knoll
WEST BURROWS
EAST SHIVERING
MIDDLE SAND
HEAPS
Buoy of the Heaps
MIDDLE GROUND
GUNFLEET SAND
Beacon
Gunfleet Buoy
KINGS CHANNEL
GOLDERMORES GATEWAY
BURROWS DEEPS
KNOCK JOHN
EAST BURROWS
BLACK DEEPS
LONG SAND
SUNK
Long Sand Head
KENTISH KNOCK
THWART MIDDLE
XII
XI
Last Third of the Flood
First Third of the Flood
GERMAN OCEAN
R M A N O C



PART OF
ESSEX
Great Wakering
Foulness Chapel
Crouch River
FOULNESS ISLAND
Quell Beacon
MAPLIN SAND
The House or Shoe Beacon
THE SWIN
Little Middle
Buroes Knowl
WEST BURROWS
EAST SHIVERING
BLACK DEEPS
LONG SAND
KNOCK JOHN
BURROWS DEEPS
SUNK
Whitaker Swatchway
Whitaker Beacon
MIDDLE SAND
BUXEY SAND
SPITWAY
Red Buoy
Wallet Buoy
Spitway Swin Buoy Black
HEAPS
MIDDLE GROUND
Buoy of the Heaps White
EAST BURROWS
GUNFLEET SAND
Beacon
KINGS CHANNEL
Gunfleet Buoy Black
WALLET
GOLDERMORES GATWAY
XII
BLACKWATER RIVER
Bradwel
Tillingham Grange
St. Peters Chapel
RAY SAND
St. PETERS SAND
Knowl
Eddt
MERSEY ISLAND
Coln River
The Ray
St. Osyth
Sea Wood
Little Holland
Great Holland
Frinton
Frinton Hall
South West or Cork Land
Walton
Goldmans Gap
HAMFORD WATER
Horsey Island
Naze Tower
THE NAZE
Holydays
Stone Banks
Ridge
CORKE
WESTROCKS
CORKE HOLE
Cork Ledge
Dover Court
HARWICH
Red Cliff
Buoy of Wreck
Landguard Fort
Andrews
Platters
Buoy of the Rough
LONG SAND
THE SLED
MIDDLE
8½ Fathoms
Variation near 22 deg.



A NEW AND ACCURATE CHART OF THE MOUTH OF THE THAMES, and *ITS ENTRANCES*, viz; The KINGS the QUEENS and SOUTH CHANNELS &c from the NORE to ORFORD NESS and the NORTH FORELAND.

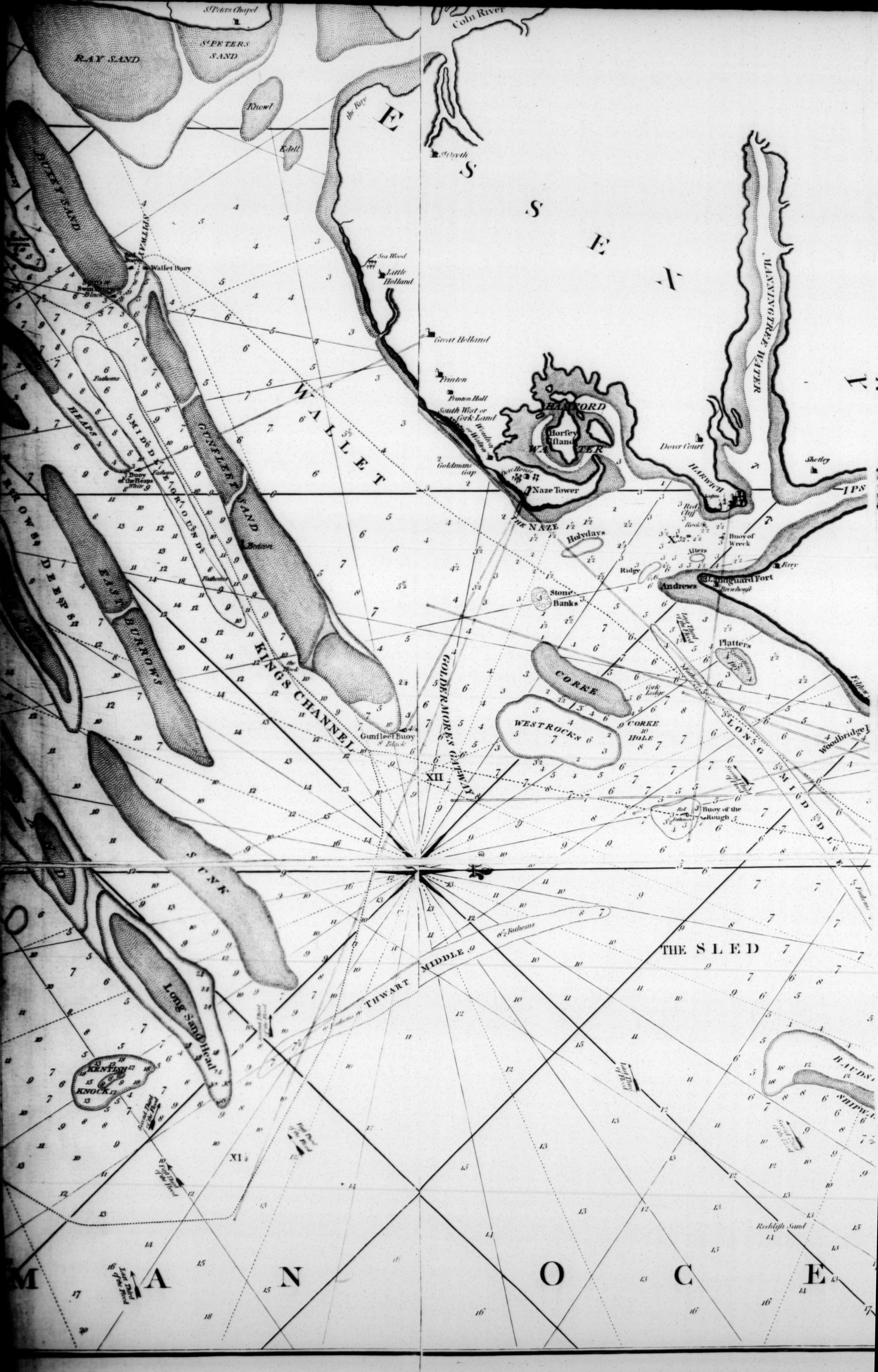
Improved By JAMES GROSVENOR, Pilot.

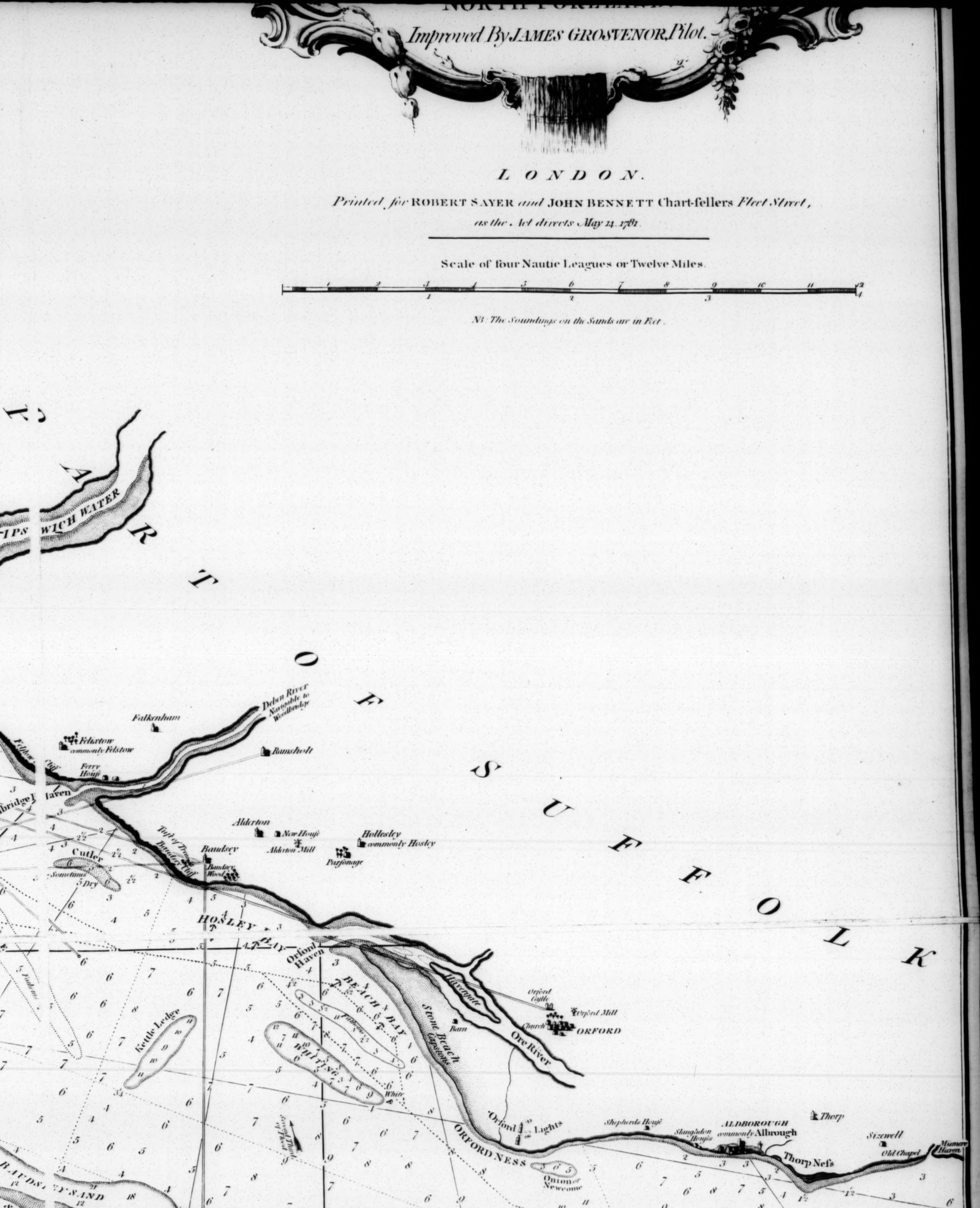
LONDON.

Printed for ROBERT SAYER *and* JOHN BENNETT Chart-sellers *Fleet Street*,
as the Act directs May 14. 1781.

Scale of four Nautic Leagues or Twelve Miles.

NB: The Soundings on the Sands are in Feet.


St Peters Chapel
Coln River
RAY SAND
St PETERS SAND
Knowl
the Ray
E S S E X
St Osyth
BUXEY SAND
SPITWAY
Wallet Buoy
Sea Wood
Little Holland
Great Holland
Frinton
Frinton Hall
South West or Cork Land
Goldmans Gap
HANFORD WATER
Horfey Island
Naze Tower
THE NAZE
WALLET
MIDDLE GROUND
HEAPS
Buoy of the Heaps White
GUNFLEET SAND
Beacon
EAST BURROWS
KINGS CHANNEL
Gunfleet Buoy Black
GOLDERMORES GATWAY
Holydays
Stone Banks
Dover Court
HARWICH
MANNINGTREE WATER
Shotley
IPS
Rolf Cliff
Buoy of Wreck
Alters
Ridge
Andrews
Languard Fort
Ferry
Platters
CORKE
Cork Ledge
WESTROCKS
CORKE HOLE
LONG MIDDLE
Woodbridge
Buoy of the Rough
XII
SUNK
THE SLED
THWART MIDDLE
Long Sand Head
KENTISH KNOCK
XI
Last Third of the Flood
First Third of the Flood
Second Third of the Flood
Redish Sand
SHIPWASH
M A N O C E



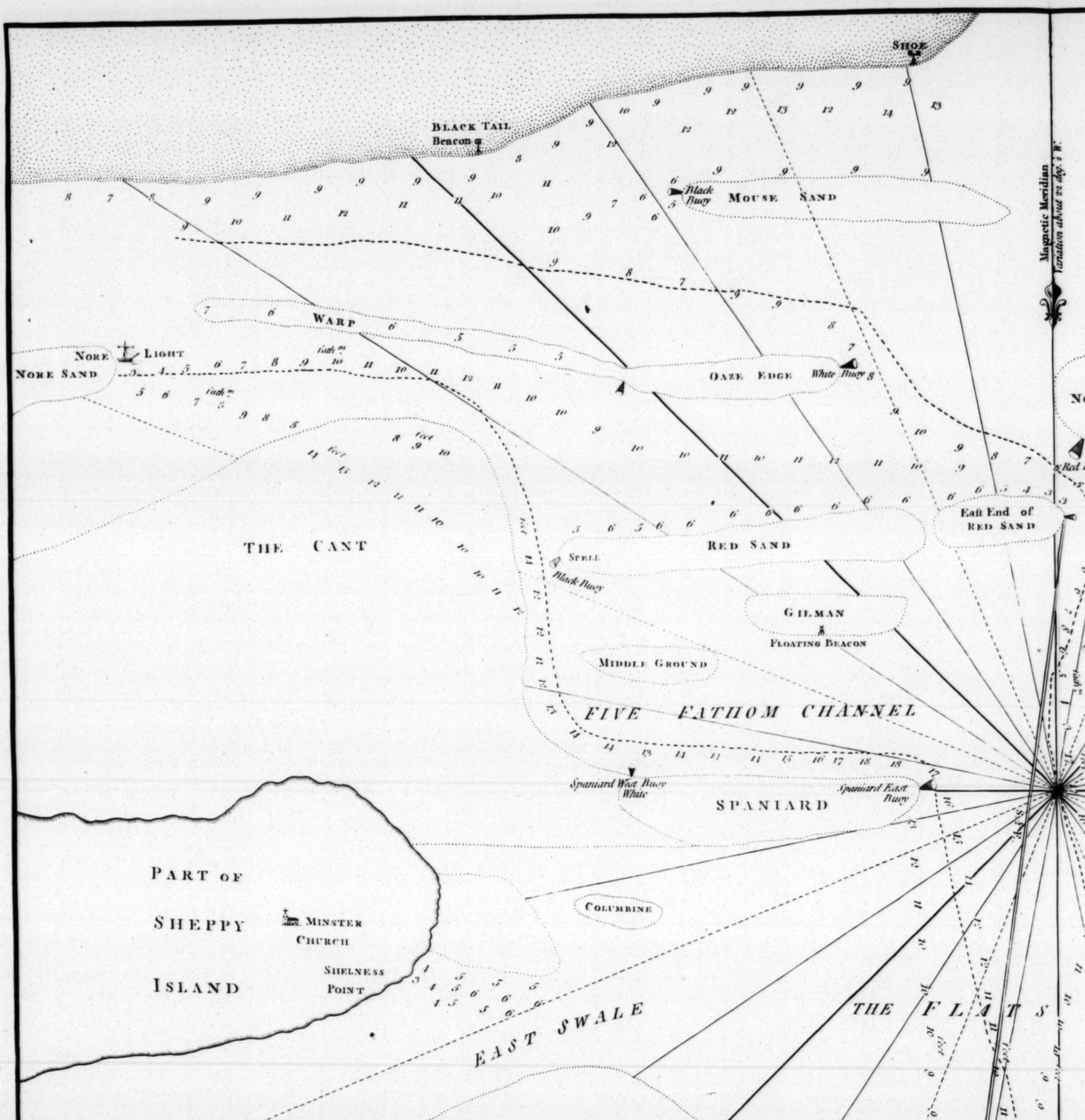
Improved By JAMES GROSVENOR, Pilot.

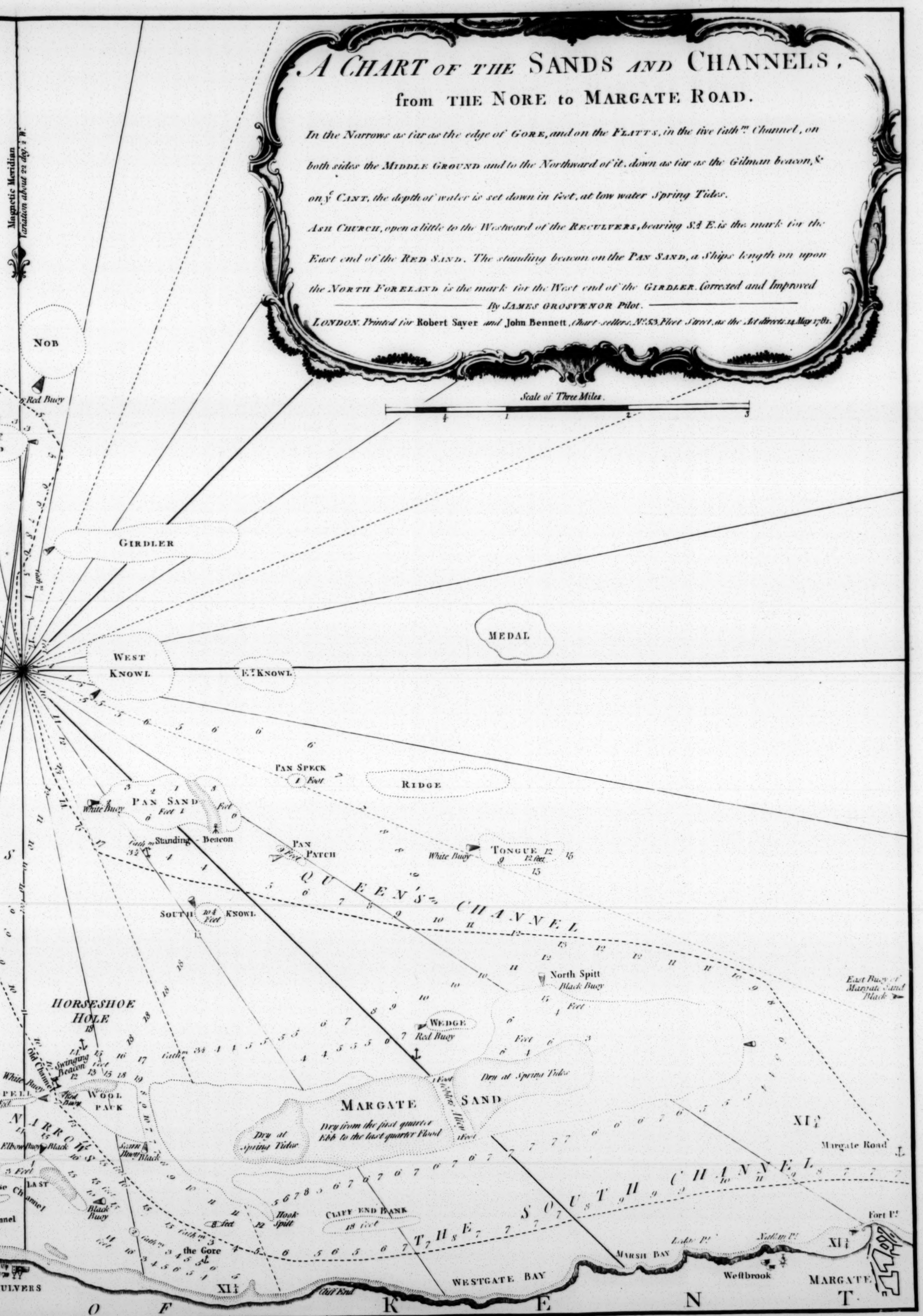
L O N D O N.

Printed for ROBERT SAYER *and* JOHN BENNETT Chart-fellers *Fleet Street*,
as the Act directs May 14. 1781.

Scale of four Nautic Leagues or Twelve Miles.

NB The Soundings on the Sands are in Feet.


Shoe
Black Tail Beacon
Black Buoy
Mouse Sand
Magnetic Meridian
Variation about 22 deg. ½ W.
Nore Light
Nore Sand
Warp
Oaze Edge
White Buoy
East End of Red Sand
Red
The Cant
Spell
Black Buoy
Red Sand
Gilman
Floating Beacon
Middle Ground
Five Fathom Channel
Spaniard West Buoy White
Spaniard
Spaniard East Buoy
Part of Sheppy Island
Minster Church
Shelness Point
Columbine
East Swale
The Flats
Dry Whitstable Flatts
White Buoy
Spell
Cross Banks
Black Buoy
Elbow Buoy
Horse
Horse Channel
Copperas House Channel
Copperas House
Whitstable Street
Hern Bay
Ash Church
The Reculvers
P A R T



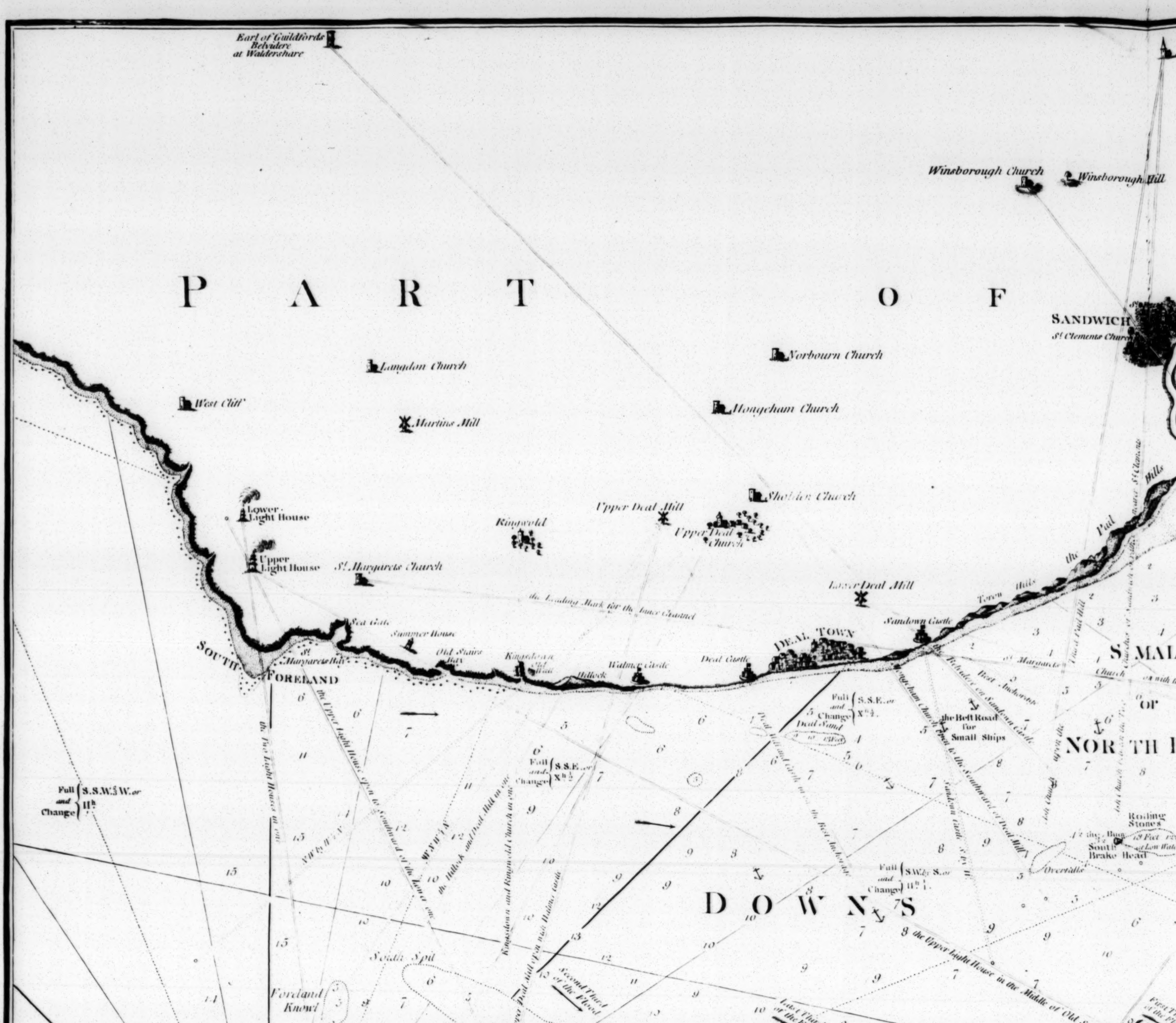
A CHART OF THE SANDS AND CHANNELS, from THE NORE to MARGATE ROAD.

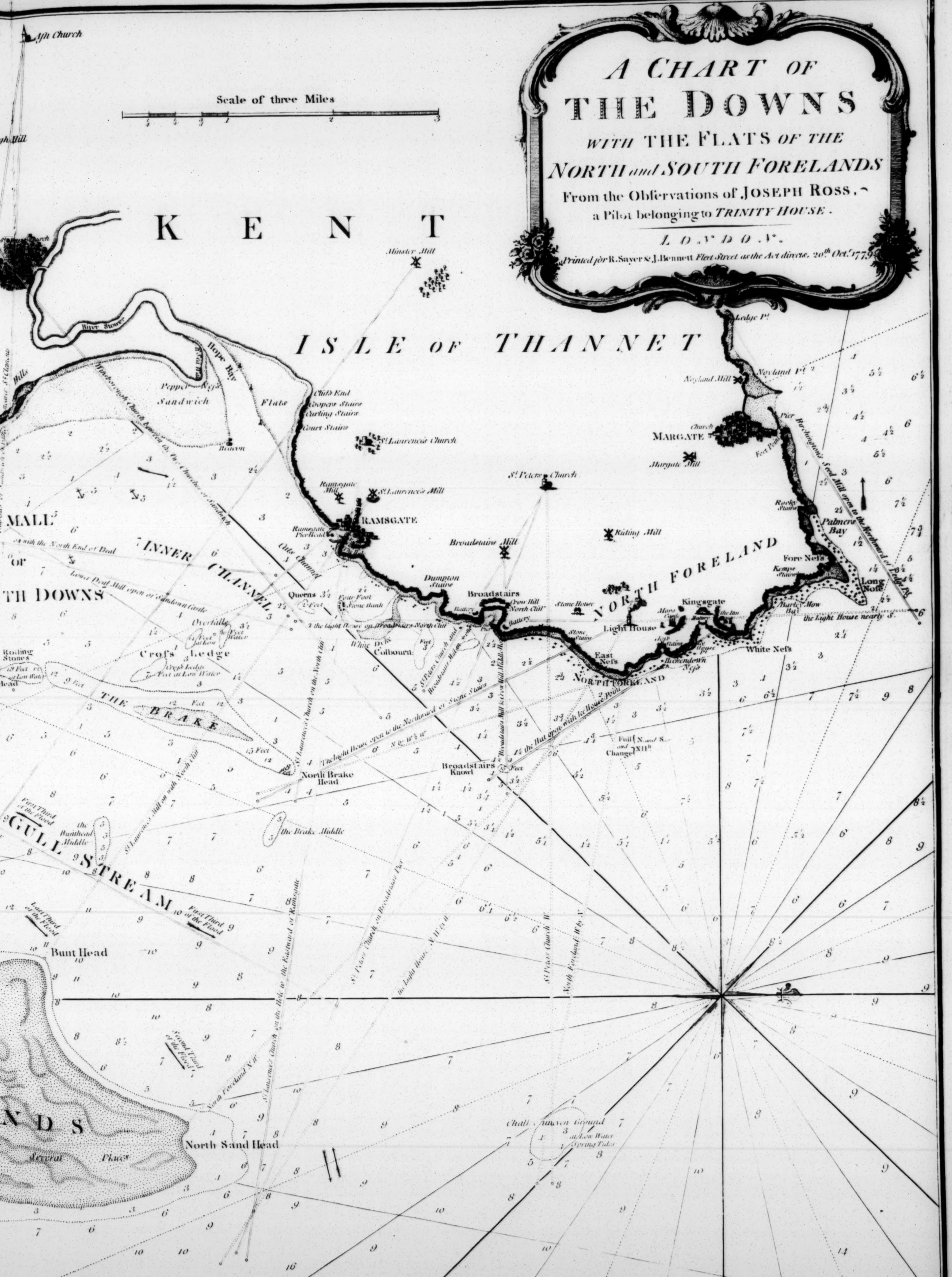
In the Narrows as far as the edge of GORE, *and on the* FLATTS, *in the five fath^{ms} Channel, on both sides the* MIDDLE GROUND *and to the Northward of it, down as far as the Gilman beacon, & on y^e* CANT, *the depth of water is set down in feet, at low water Spring Tides.*

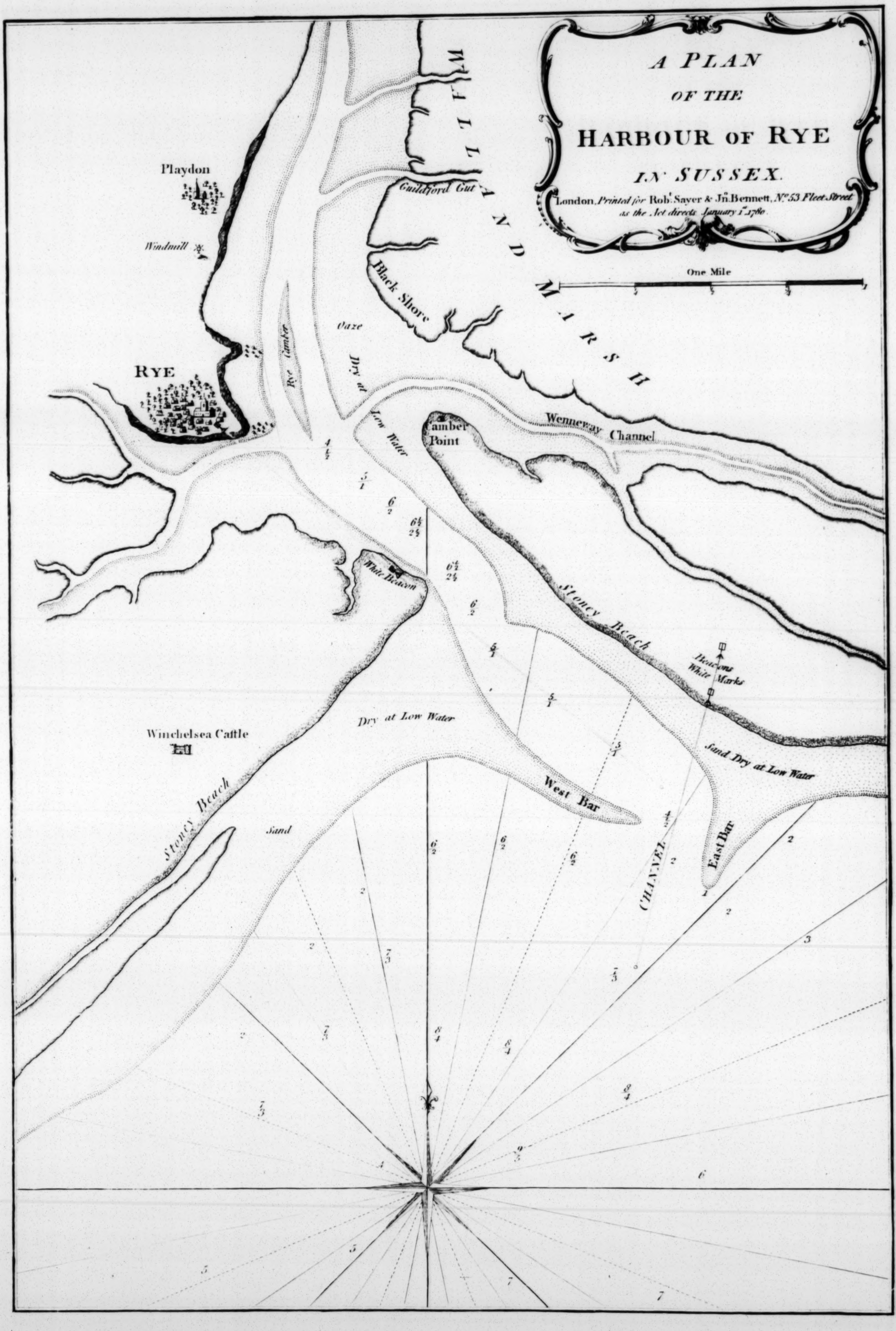
ASH CHURCH, *open a little to the Westward of the* RECULVERS, *bearing S.½ E. is the mark for the East end of the* RED SAND. *The standing beacon on the* PAN SAND, *a Ships length on upon the* NORTH FORELAND *is the mark for the West end of the* GIRDLER. *Corrected and Improved*

By JAMES GROSVENOR *Pilot.*

LONDON. Printed for Robert Sayer *and* John Bennett, *Chart-sellers, N^o. 53, Fleet Street, as the Act directs 14 May 1781.*


PART OF
Earl of Guildfords Belvidere at Waldershare
Winsborough Church
Winsborough Mill
SANDWICH
St. Clements Church
Langdon Church
Norbourn Church
West Cliff
Martins Mill
Hougeham Church
Sholden Church
Upper Deal Mill
Upper Deal Church
Ringwold
Lower Light House
Upper Light House
St. Margarets Church
Lower Deal Mill
the Leading Mark for the Inner Channel
Sea Gate
Summer House
Old Stairs Bay
Kingsdown Old Wall
Hillock
Walmer Castle
Deal Castle
DEAL TOWN
Sandown Castle
Town Hills
the Pail Hills
SOUTH FORELAND
St. Margarets Bay
Full and Change S.S.W.¾W. or 11h.
Full and Change S.S.E. or Xh.½
Full and Change S.S.E. or Xh.¼
Full and Change S.W. by S. or 11h.¼
Deal Sand 13 Feet
the Best Road for Small Ships
Best Anchorage
the Belvidere on Sandown Castle
Hougham Church open to the Southward of Deal Mill
Sandown Castle
Deal Mill and Castle on the Best Anchorage
St. Margarets Church
S MAL
OF
NORTH
Rolling Stones
the Buoy
South Brake Head
13 Feet at Low Water
Overfalls
DOWNS
the Upper Light House in the Middle of Old Stairs Bay
the Two Light Houses in one
the Upper Light House open to Southward of the Lower one
the Hillock and Deal Mill in one
Kingsdown and Ringwold Church in one
Upper Deal Mill open with Walmer Castle
Upper Deal Church and Walmer Castle in one
Second Third of the Flood
Last Third of the Flood
First Third of the Flood
GU
South Spit
Foreland Knowl
South Sand Head
THE GOODWIN
Dry at Several Places
the Swash
Hacker Mill on the Cliffs End
SAN
Dry in Seve
East Spit


A CHART OF
THE DOWNS
WITH THE FLATS OF THE
NORTH and SOUTH FORELANDS
From the Obſervations of JOSEPH ROSS,
a Pilot belonging to TRINITY HOUSE.
LONDON.
Printed for R. Sayer & J. Bennett Fleet Street as the Act directs, 20th Oct. 1779.
Scale of three Miles
Ash Church
KENT
ISLE OF THANNET
River Stower
Hope Bay
Pepper Ness
Sandwich
Flats
Beacon
Cliffs End
Coopers Stairs
Curling Stairs
Court Stairs
St. Laurence's Church
St. Peters Church
Ramsgate Mill
St. Laurence's Mill
RAMSGATE
Ramsgate Pier Head
Broadstairs Mill
Dumpton Stairs
Broadstairs
Crow Hill North Cliff
Battery
Minster Mill
Ledge Pt.
Noyland Pt.
Noyland Mill
MARGATE
Church
Margate Mill
Fort Point
Pier
Birchington's Seed Mill open to the Northward of Ledge Pt.
Rocky Stairs
Palmers Bay
Riding Mill
NORTH FORELAND
Fore Neſs
Kemps Stairs
Long Noſe
Barley Mow Bay
the Light House nearly S.
Kingsgate
the Inn
Mora Castle
Stone House
Light House
Stone Stairs
East Neſs
Kickendown Neſs
White Neſs
Full and Change N. and S. XIIh
MALL
INNER CHANNEL
OR
TH DOWNS
Cuts Channel
Querns 3½ 2 Feet
Four Foot Stone Bank
White Dyke
Colbourn
Overfalls
Croſs Ledge
Croſs Ledge 7 Feet at Low Water
Rolling Stones
THE BRAKE
North Brake Head
Broadstairs Knowl
The Brake Middle
The Quernhead Middle
GULL STREAM
First Third of the Flood
Last Third of the Flood
Second Third of the Flood
Bunt Head
North Sand Head
NDS
Several Places
Chalk Ground 3 at Low Water Spring Tides
with the North End of Deal
Lower Deal Mill open of Sandown Castle
the Light House on Broadstairs North Cliff
the Hut open with Ice House Point
St. Peters Church and Broadstairs Mill in one
Broadstairs Mill & Crow Hill Middle
St. Laurence's Church on the North Cliff
St. Laurence's Mill on with North Cliff
St. Laurence's Church on the Hill to the Eastward of Ramsgate
St. Peters Church on Broadstairs Pier
the Light House N.W. by N.
St. Peters Church W.
North Foreland W. by N.
North Foreland N.W.



A PLAN
OF THE
HARBOUR OF RYE
IN SUSSEX.

London, *Printed for* Robᵗ. Sayer & Jnᵒ. Bennett, *Nº. 53 Fleet Street*
as the Act directs January 1ˢᵗ. 1780.

DIRECTIONS for Sailing

To Sail *to the Eastward of the* **Eaſtburrow head** *into the* **Park**, *or to paſs through the* **Looe Stream**.
Chichester Church must be brought to the Eastward of Pagham Church, after you have 18 fathom to appearance about a Furlong the Whiteway on the Hill will be on a grove of Trees at Pagham & in the Middle between the two Churches, & you'll have gradual soundings into the Park from 18 to 15, 12, 9, 6, Fathom, & so decreasing to the Shore You may Anchor in 4, 5, 6 Fathom Water in the Park, Good Ground, distance from Selsey bill about 2 Miles, bearing N.W. or N.W by W.

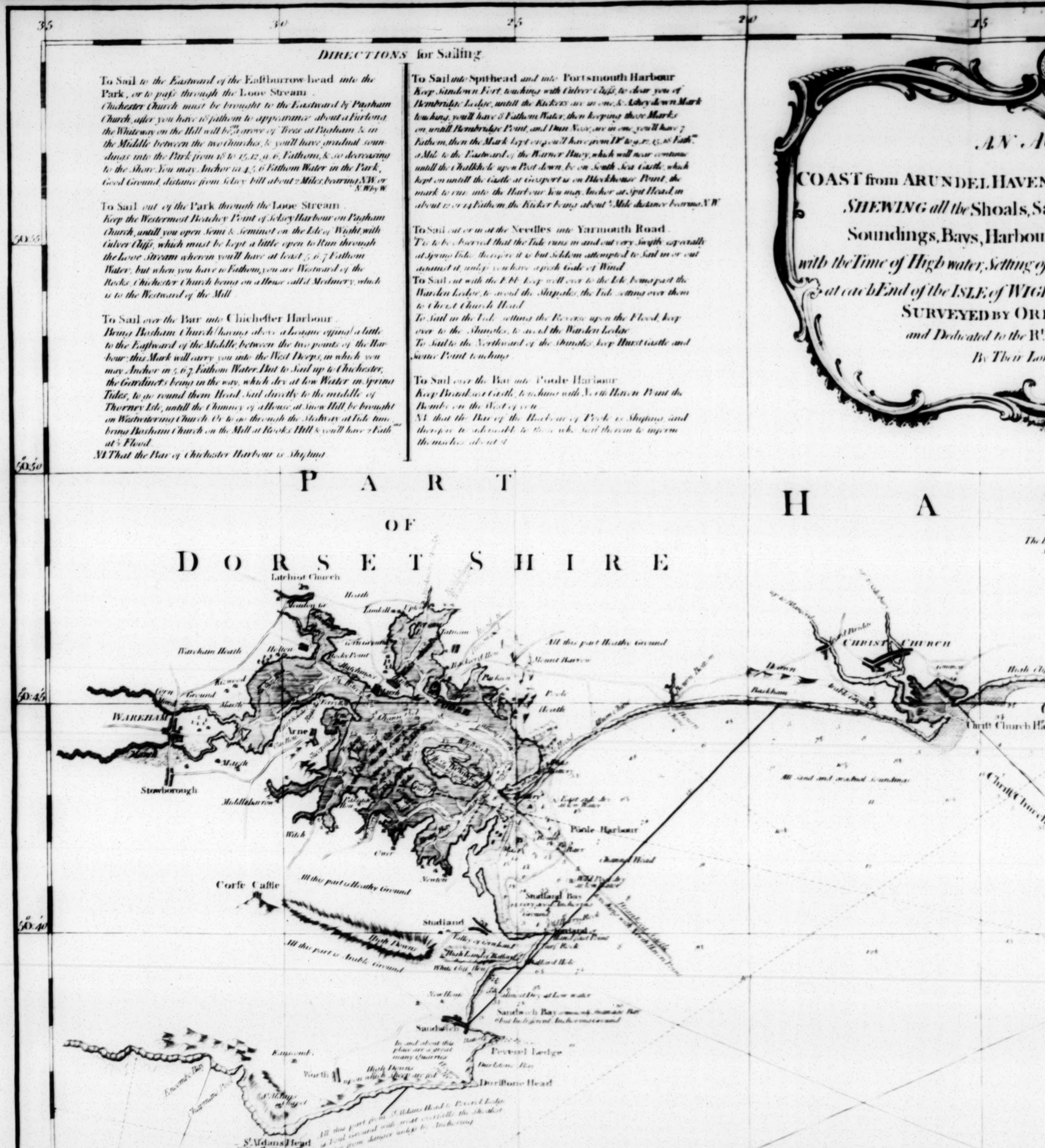
To Sail *out of the* **Park** *through the* **Looe Stream**.
Keep the Westermost Beachey Point of Selsey Harbour on Pagham Church, untill you open Semi & Seminet on the Isle of Wight with Culver Cliffs, which must be kept a little open to Run through the Looe Stream wherein you'll have at least 5, 6, 7 Fathom Water; but when you have 10 Fathom, you are Westward of the Rocks, Chichester Church being on a House call'd Medmery, which is to the Westward of the Mill

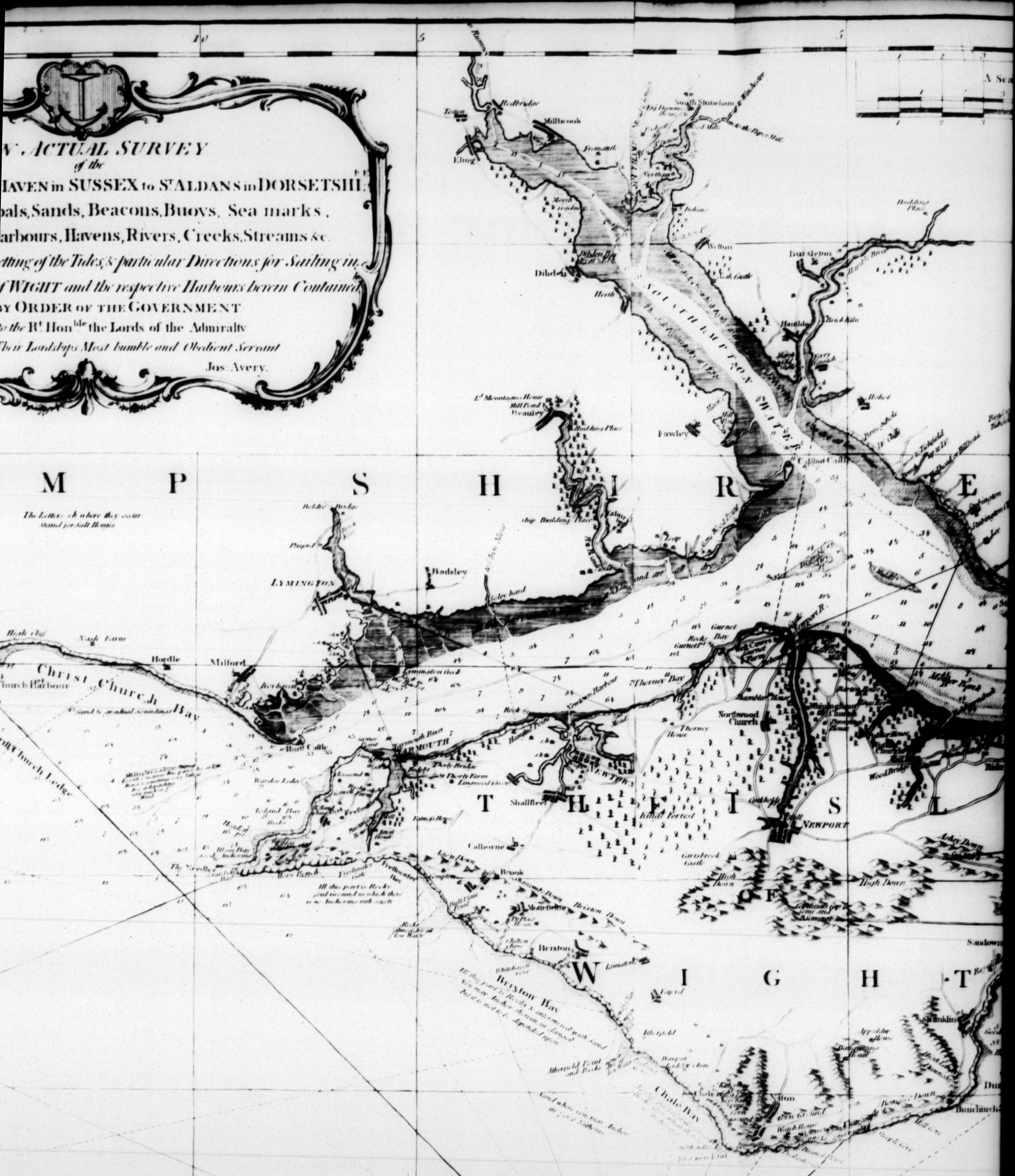
To Sail *over the* **Bar** *into* **Chicheſter Harbour**.
Bring Bosham Church (having above a beacon appearing) a little to the Eaſtward of the Middle between the two points of the Harbour; this Mark will carry you into the West Deeps, in which you may Anchor in 5, 6, 7 Fathom Water. But to Sail up to Chichester, the Gardiner's being in the way, which dry at low Water in Spring Tides, to go round them Head Sail directly to the middle of Thorney Isle, untill the Chimney of a House at Snow Hill be brought on Westwitering Church. Or to go through the Stakway at Tide time bring Bosham Church on the Mill at Rooks Hill & you'll have 2 Fathom at ½ Flood
NB That the Bar of Chichester Harbour is Shifting

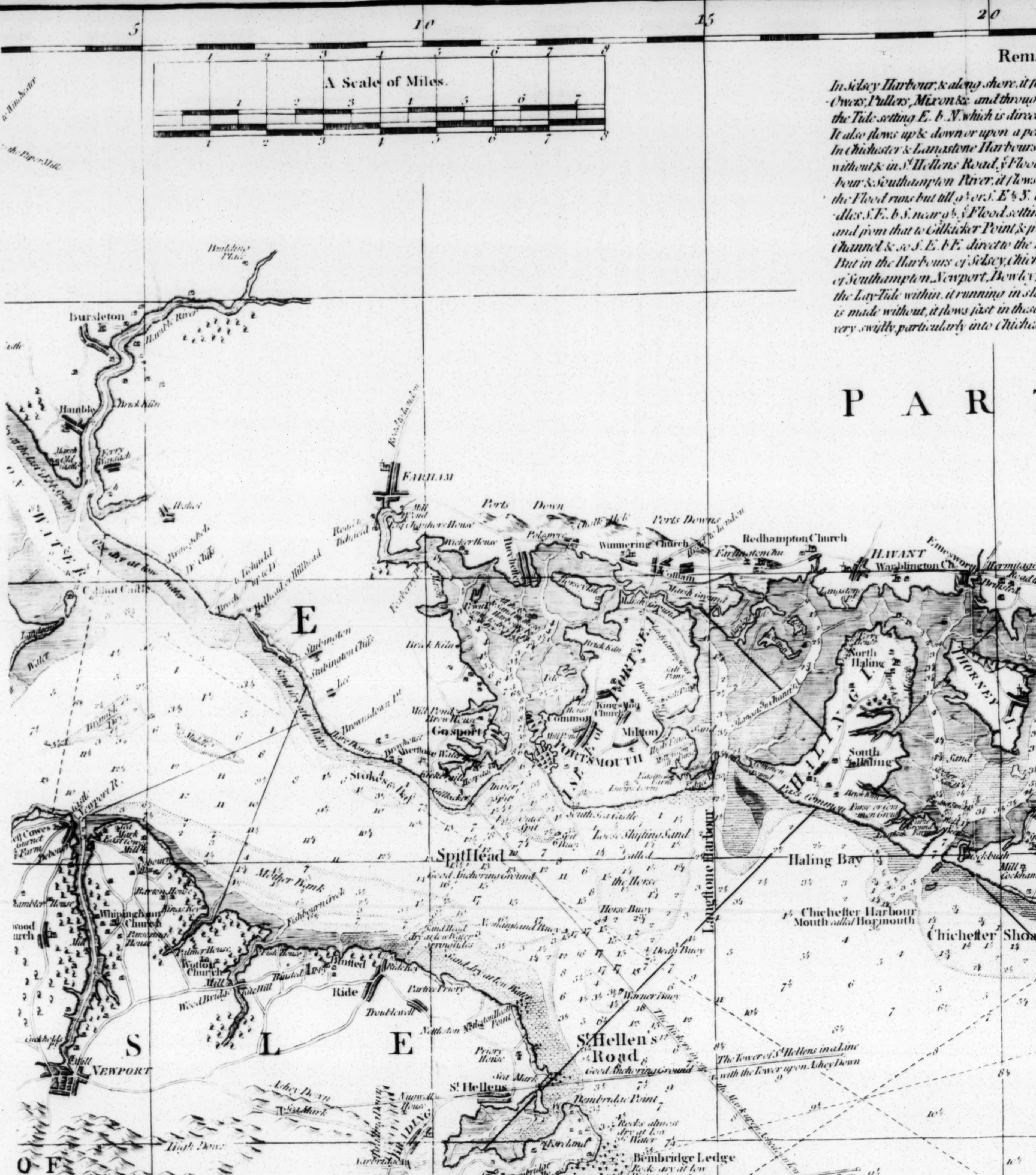
To Sail *into* **Spithead** *and into* **Portsmouth Harbour**
Keep Sandown Fort touching with Culver Cliffs to clear you of Bembridge Ledge, untill the Kickers are in one, & Ashey down Mark touching, you'll have 8 Fathom Water; then keeping those Marks on untill Bembridge Point, and Dun Nose are in one you'll have 7 Fathom, then the Mark kept on you'll have from 10 to 9, 12, 15, 16 Fathom a Mile to the Eastward of the Warner Buoy, which will near continue untill the Chalkhole upon Post down be on South Sea Castle, which kept on untill the Castle at Gosport is on Blockhouse Point, the mark to run into the Harbour You may Anchor at Spit Head in about 12 or 14 Fathom the Kicker being about ½ Mile distance bearing N W

To Sail *out or in at the* **Needles** *into* **Yarmouth Road**.
'Tis to be observed that the Tide runs in and out very Swiftly especially at Spring Tides therefore it is but Seldom attempted to Sail in or out against it, unless you have a fresh Gale of Wind
To Sail *out with the Ebb keep well over to the Isle being past the Warden Ledge, to avoid the Shingles, the Tide setting over them to Christ Church Head*
To Sail in the Tide setting the Reverse upon the Flood, keep over to the Shingles, to avoid the Warden Ledge
To Sail to the Northward of the Shingles keep Hurst Castle and Sconce Point touching

To Sail *over the* **Bar** *into* **Poole Harbour**
Keep Brownsea Castle touching with North Haven Point the Bombs on the West of it
NB that the Bar of the Harbour of Poole is Shifting and therefore 'tis advisable to those who Sail therein to inform themselves about it




N. ACTUAL SURVEY
of the
HAVEN in SUSSEX to S.t ALDANS in DORSETSHI
oals, Sands, Beacons, Buoys, Sea marks,
arbours, Havens, Rivers, Creeks, Streams &c.
etting of the Tides, & particular Directions for Sailing in
f WIGHT and the respective Harbours herein Contained
BY ORDER OF THE GOVERNMENT
to the R.t Hon.ble the Lords of the Admiralty
Their Lordships Most humble and Obedient Servant
Jos. Avery.
10
5
5
A Sca
M P S H I R E
The Letters sh where they occur stand for Salt Houses
Redbridge
Totten
Eling
Millbrook
Fremantle
South Stoneham
SOUTHAMPTON
Dibden
Heath
SOUTHAMPTON WATER
Bursleton
Hamble
Fawley
Calshot Castle
Beauley
Badsley
LYMINGTON
Milford
Hordle
Nash Farm
Christ Church Harbour
Christ Church Bay
Christ Church Ledge
Hurst Castle
Lymington Creek
Newtown Harbour
Thorney Bay
Gurnet Bay
Newport R.
YARMOUTH
NEWTOWN
Shalfleet
Northwood Church
Wood Bridge
T H E I S L
NEWPORT
Calborne
Brook
Compton
Freshwater
The Needles
Totland Bay
Brixton
Brixton Bay
Limestone
Atherfield Point and Rocks
Chale Bay
High Down
Sandown
Shanklin
Bonchurch
W I G H T
B R I T I S H



Rem

In Selsey Harbour, & along shore, it f
-Owers, Pullers, Mixon &c. and throug
the Tide setting E. b N. which is direc
It also flows up & down or upon a pe
In Chichester & Langstone Harbours
without & in St Hellens Road, ye Floo
-bour & Southampton River, it flows
the Flood runs but till 9 ½ or 5. E & S.
-dles S. E. b S. near 9 h. ye Flood settin
and from that to Gilkicker Point, & p
Channel & so S. E. b E. direct to the
But in the Harbours of Selsey, Chich
of Southampton, Newport, Bewley,
the Lay-Tide within, it running in sl
is made without, it flows fast in thes
very swiftly, particularly into Chiche

Remarks upon the Flowing of the Tides in the Reſpective Places in this *DRAUGHT*.

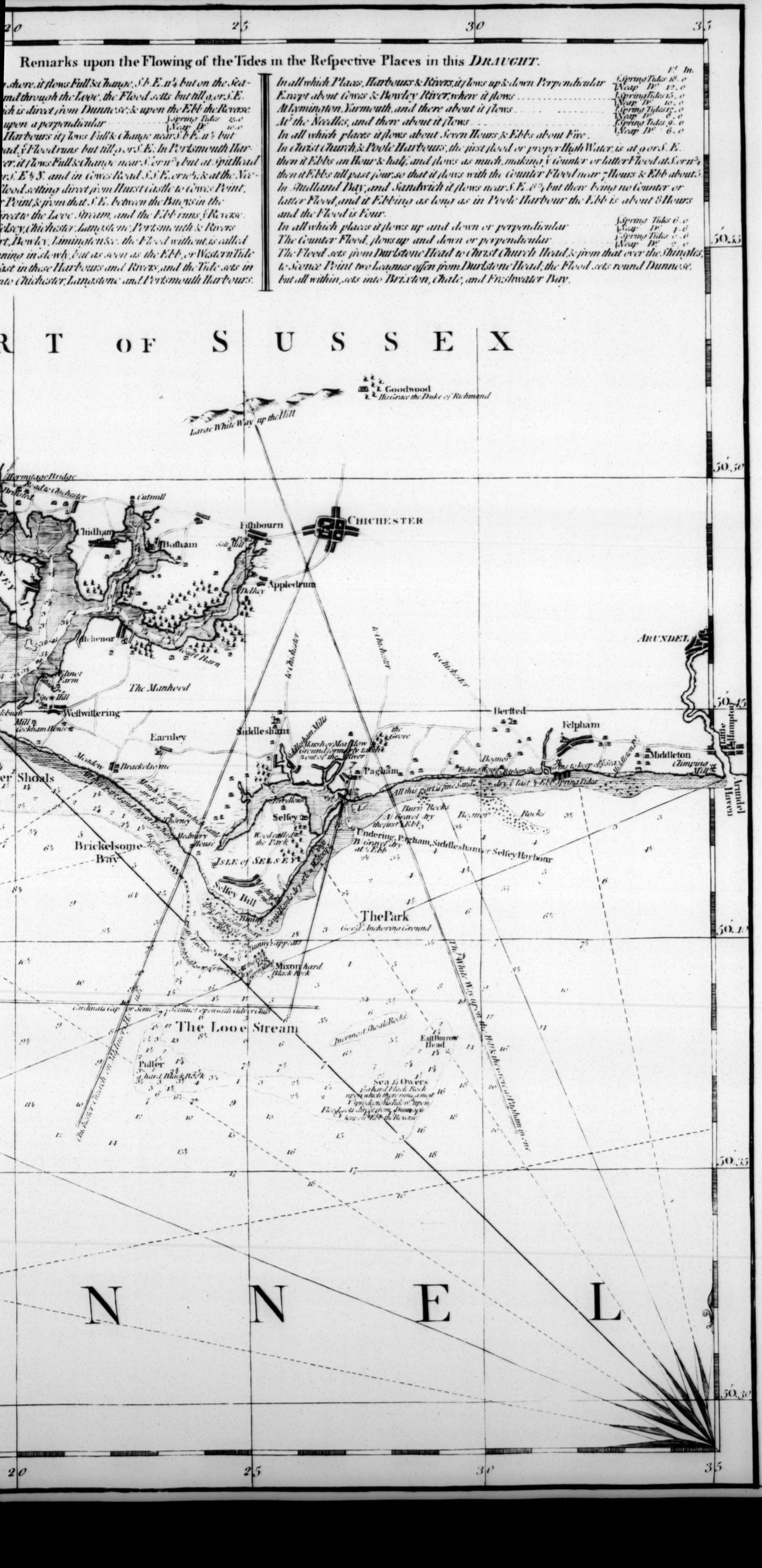
shore, it flows Full & Change, S b E. ¼ but on the Sea-
nd through the Looe, the Flood setts but till 9, or S.E.
ich is direct from Dunnose; & upon the Ebb the Reverse:
upon a perpendicular …… Spring Tides 15.0 / Neap Do 10.0
Harbours it flows Full & Change near S b E. ¾ but
ad, ye Flood runs but till 9, or S.E. In Portsmouth Har-
er, it flows Full & Change near S. or ¾ but at Spit Head
r S. E ½ S. and in Cowes Road S.S.E. or ¼ & at the Ne-
lood setting direct from Hurst Castle to Cowes Point,
r Point & from that S.E. between the Buoys in the
irect to the Looe Stream, and the Ebb runs ye Reverse.
elsey, Chichester, Langstone, Portsmouth & Rivers
rt, Bowley, Limington &c. the Flood without, is called
ning in slowly, but as soon as the Ebb, or Western Tide
ist in these Harbours and Rivers, and the Tide sets in
nto Chichester, Langstone and Portsmouth Harbours.

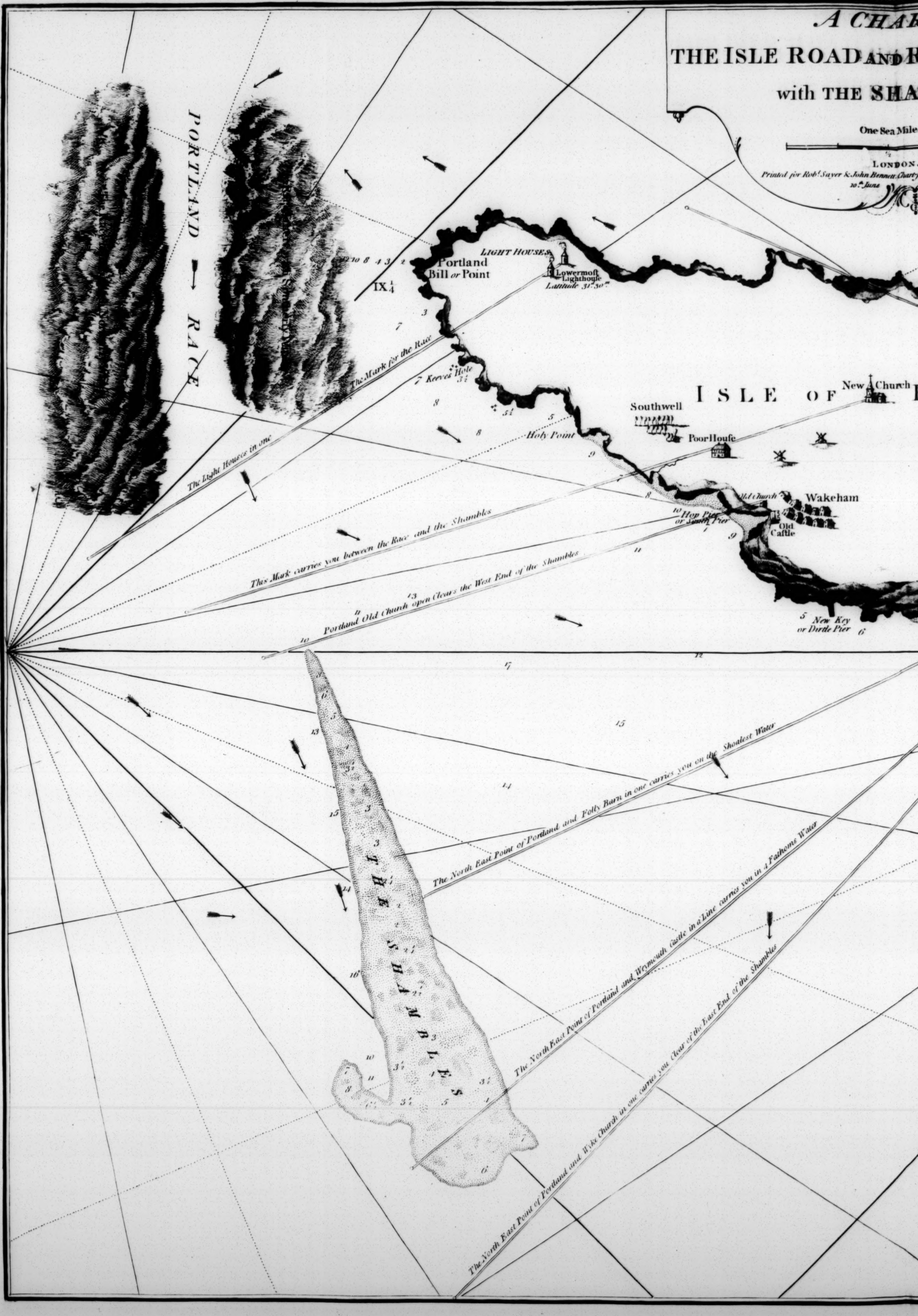
		Ft. In.
In all which Places, Harbours & Rivers, it flows up & down Perpendicular	Spring Tides Neap Do	18.0 12.0
Except about Cowes & Bowley River, where it flows ……	Spring Tides Neap Do	15.0 10.0
At Lymington, Yarmouth, and there about it flows ……	Spring Tides Neap Do	12.0 8.0
At the Needles, and there about it flows ……	Spring Tides Neap Do	9.0 6.0

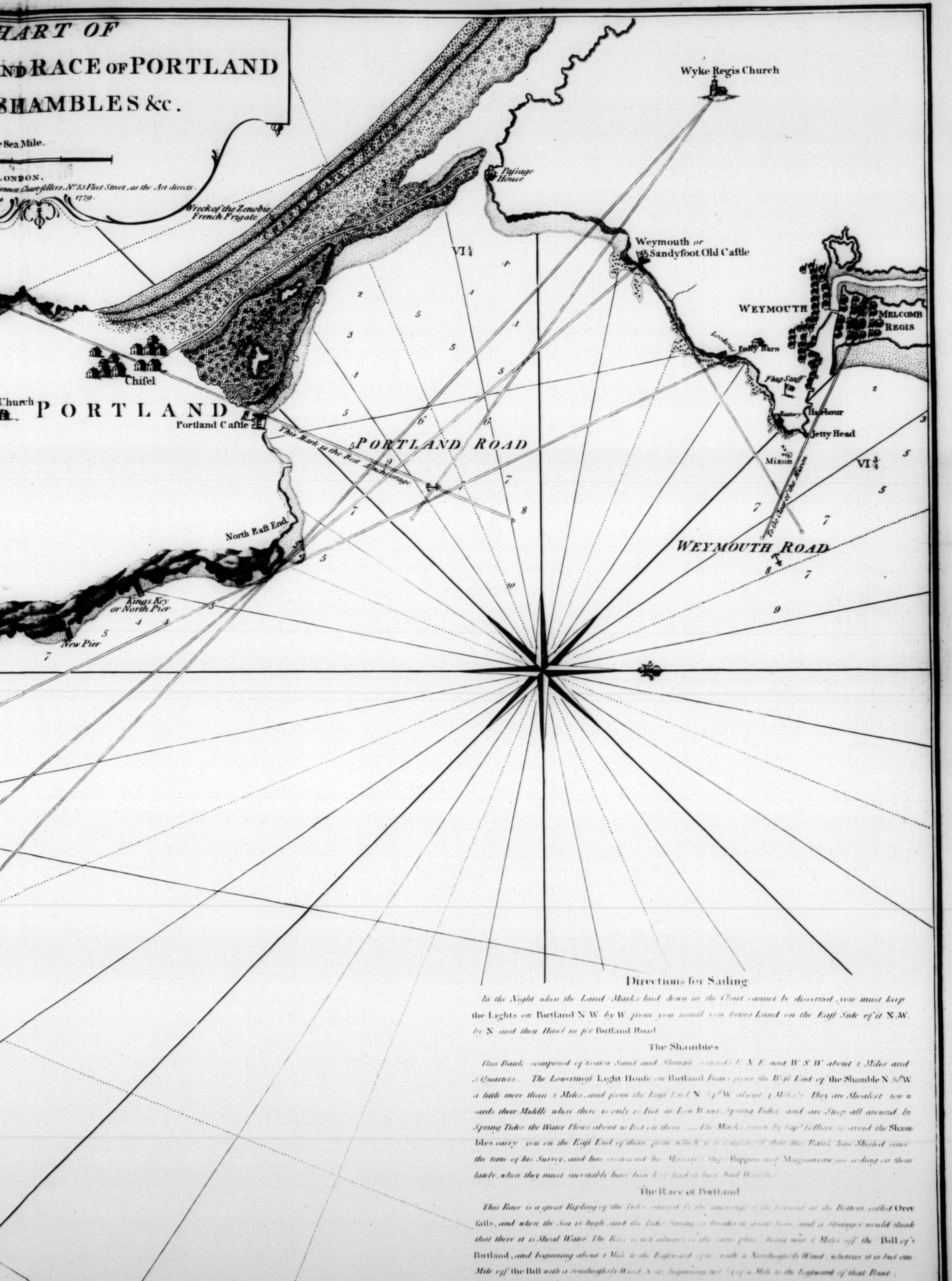
In all which places it flows about Seven Hours, & Ebbs about Five.
In Christ Church, & Poole Harbours, the first flood or proper High Water, is at 9 or S.E.
then it Ebbs an Hour & half, and flows as much, making ye Counter or latter Flood at S. or ¾
then it Ebbs till past four, so that it flows with the Counter Flood near 7 Hours & Ebb about 5.
In Studland Bay, and Sandwich it flows near S.E. 8¾ but there being no Counter or
latter Flood, and it Ebbing as long as in Poole Harbour the Ebb is about 8 Hours
and the Flood is Four.

In all which places it flows up and down or perpendicular	Spring Tides Neap Do	6.0 4.6
The Counter Flood, flows up and down or perpendicular	Spring Tides Neap Do	3.6 2.0

The Flood sets from Durlstone Head to Christ Church Head, & from that over the Shingles,
to Sconce Point two Leagues off from Durlstone Head; the Flood sets round Dunnose,
but all within, sets into Brixton, Chale, and Freshwater Bay.




A CHA
THE ISLE ROAD AND R
with THE SHA
One Sea Mile
½
LONDON
Printed for Robt. Sayer & John Bennett, Chart
10th June
PORTLAND RACE
LIGHT HOUSES
Portland Bill or Point
Lowermost Lighthouse Latitude 5
IX ¼
The Mark for the Race
The Light Houses in one
Keeves Hole
Holy Point
ISLE OF
New Church
Southwell
Poor House
Wakeham
Old Church
Old Castle
Hop Pier or South Pier
New Key or Dirtle Pier
This Mark carries you between the Race and the Shambles
Portland Old Church open Clears the West End of the Shambles
The North East Point of Portland and Folly Barn in one carries you on the Shoalest Water
The North East Point of Portland and Weymouth Castle in a Line carries you in 4 Fathoms Water
The North East Point of Portland and Wyke Church in one carries you Clear of the East End of the Shambles
THE SHAMBLES



Directions for Sailing

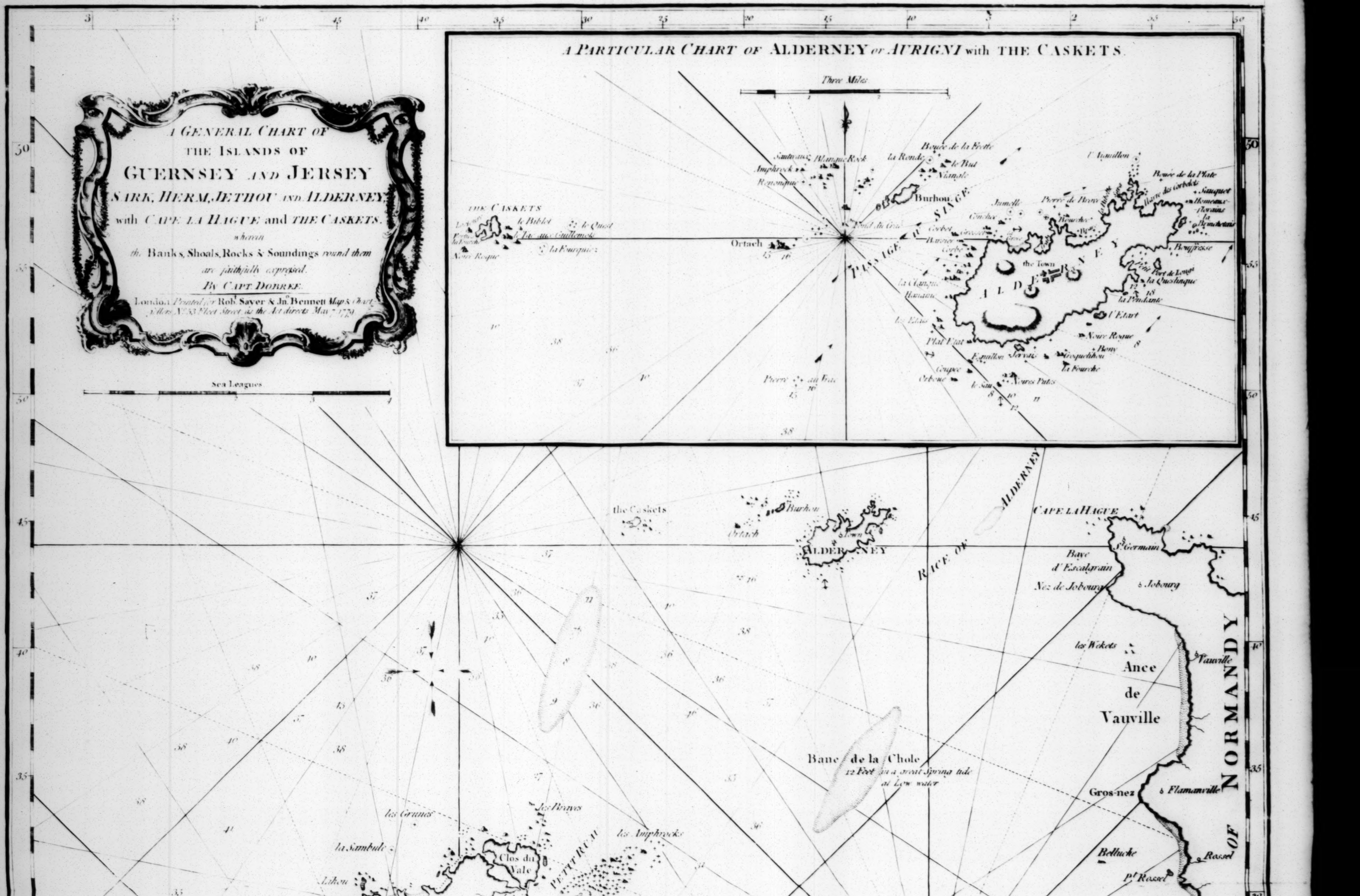
In the Night when the Land-Marks laid down in the Chart cannot be discerned, you must keep the Lights *on* Portland N.W. *by* W. *from you untill you bring Land on the Eaſt Side of it* N.W. *by* N. *and then Haul in for* Portland Road

The Shambles

This Bank composed of Coarse Sand and Shingle extends E.N.E. *and* W.S.W. *about 2 Miles and 3 Quarters. The Lowermoſt* Light Houſe *on* Portland *Bears from the Weſt End of* the Shamble N. 56^{d} W *a little more than 2 Miles, and from the Eaſt End* N. 84^{d} W. *about 4 Miles ½ They are Shoaliſt tow=ards their Middle where there is only 12 Feet at Low Water Spring Tides and are Steep all around. In Spring Tides the Water Flows about 10 Feet on them. — The Marks given by Capt. Collins to avoid the* Shambles *carry you on the Eaſt End of them, from which it is conjectured that this Bank has Shifted since the time of his Survey, and has occasioned his Majesty's Ships* Rippon *and* Magnanime *grounding on them lately, when they must inevitably have been lost had it been bad Weather.*

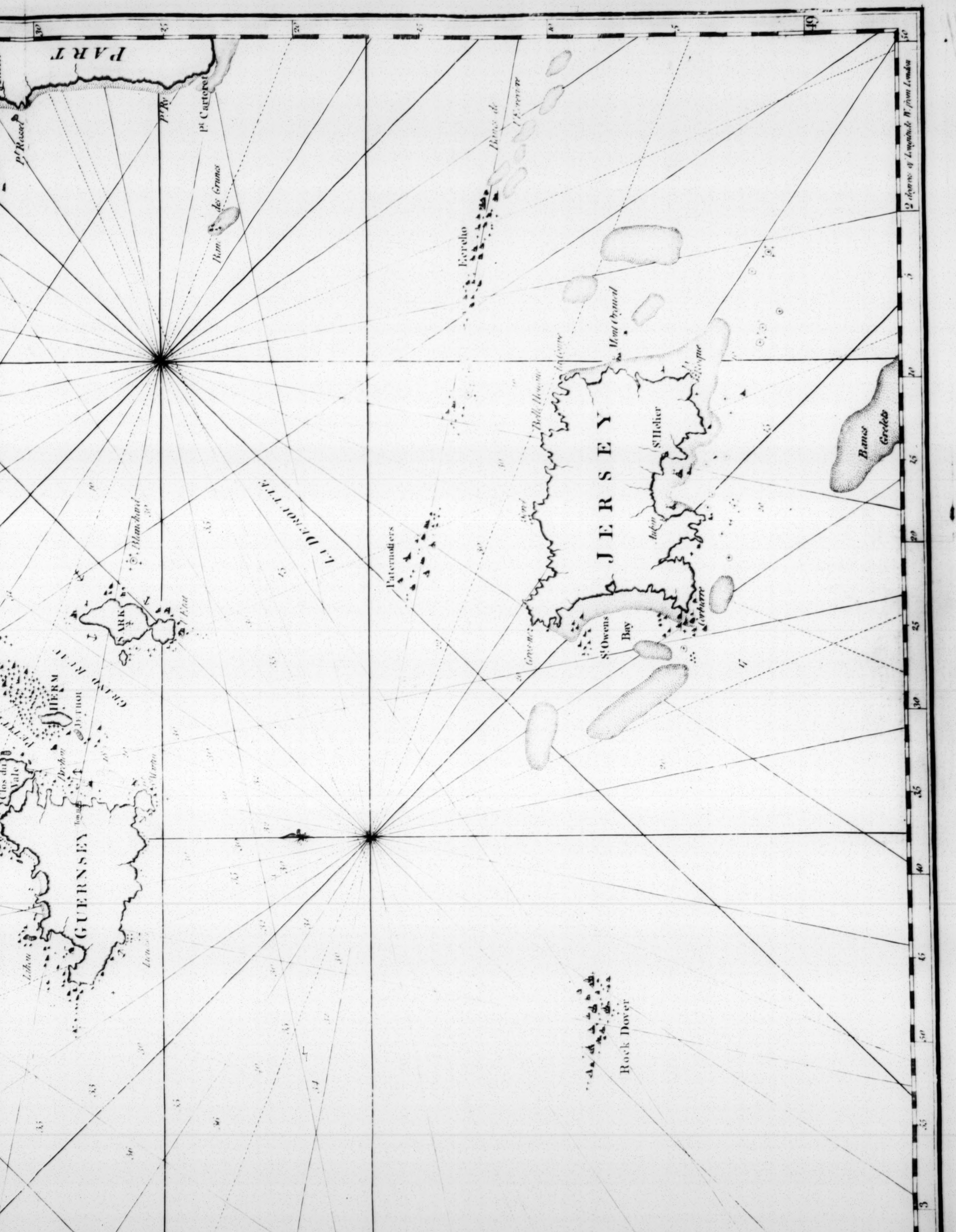
The Race of Portland

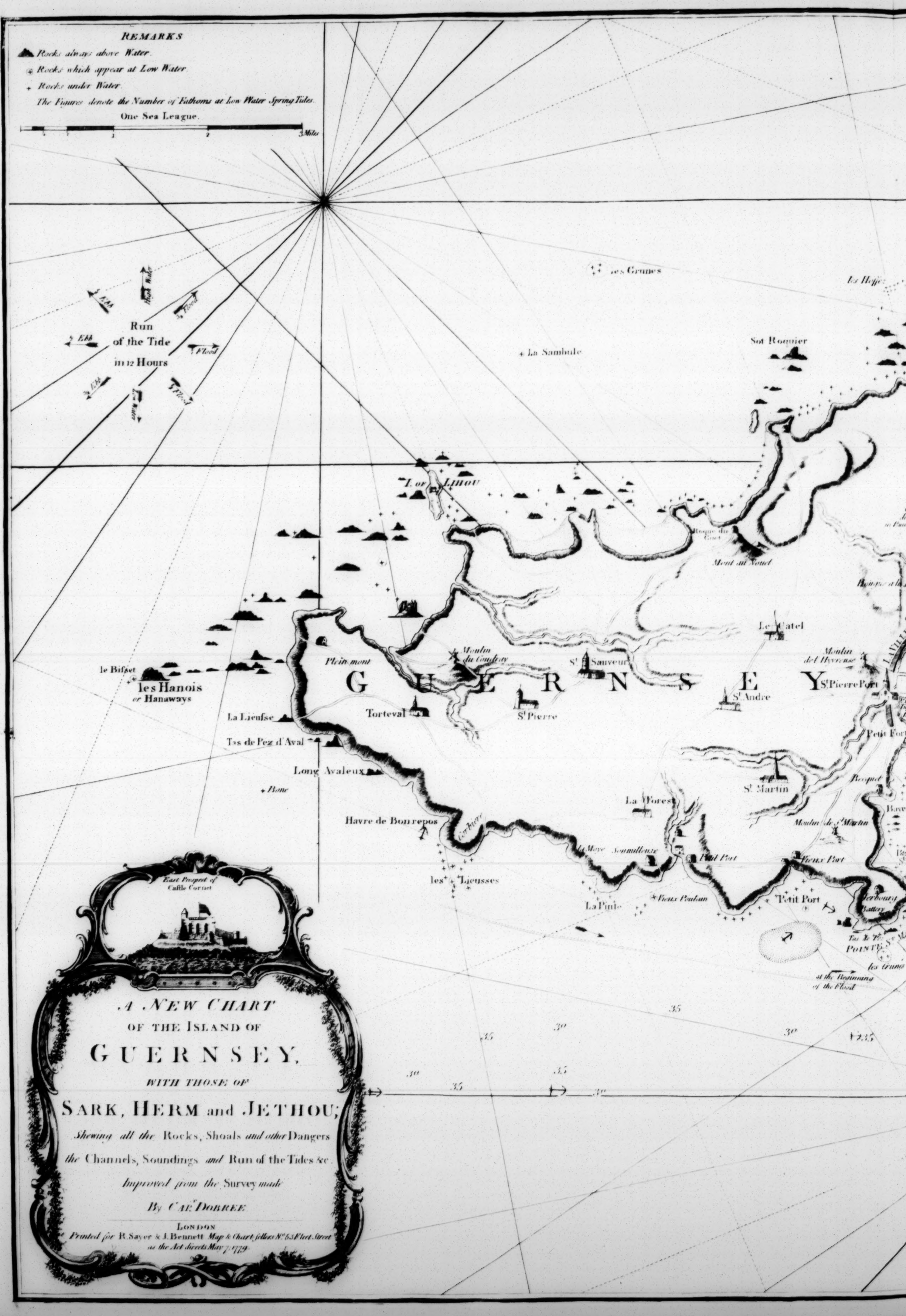
This Race is a great Rippling of the Tides caused by the unevenness of the Ground at the Bottom called Over falls, *and when the Sea is high and the Tides Strong it breaks in great Seas, and a Stranger would think that there it is Shoal Water. The Race is not always in the same place, being near 2 Miles off the* Bill *of* Portland, *and beginning about 1 Mile to the Eastward of it, with a Northeasterly Wind, whereas it is but one Mile off* the Bill *with a Southeasterly Wind &c. beginning not ¼ of a Mile to the Eastward of that Point.*



A GENERAL CHART OF
THE ISLANDS OF
GUERNSEY AND JERSEY
SARK, HERM, JETHOU AND ALDERNEY,
with CAPE LA HAGUE and THE CASKETS.
wherein
the Banks, Shoals, Rocks & Soundings round them
are faithfully expressed.
By CAPT. DOBREE.

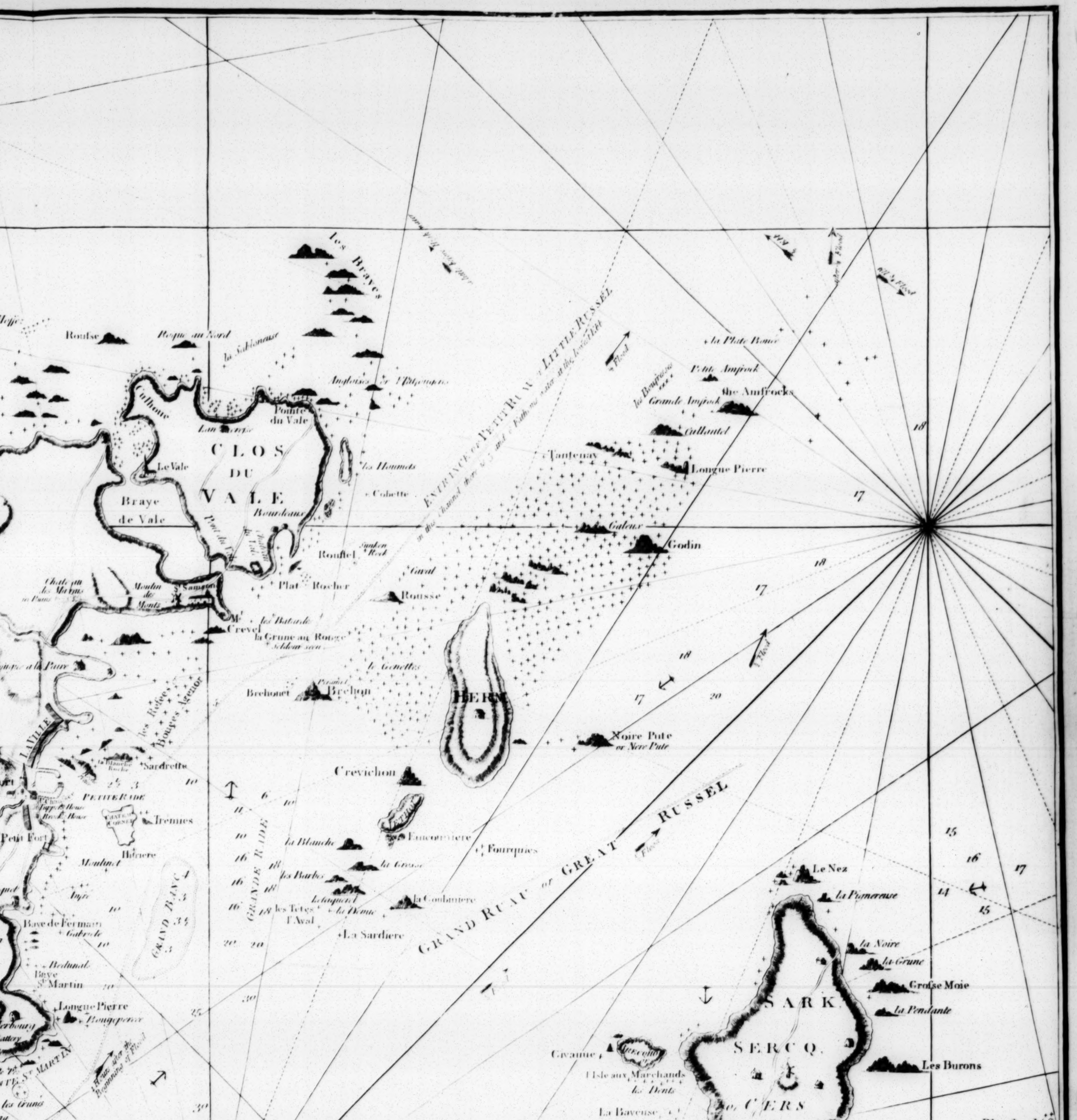
London, Printed for Robt. Sayer & Jno. Bennett Map & Chart-
sellers No. 53 Fleet Street, as the Act directs May 7. 1779.

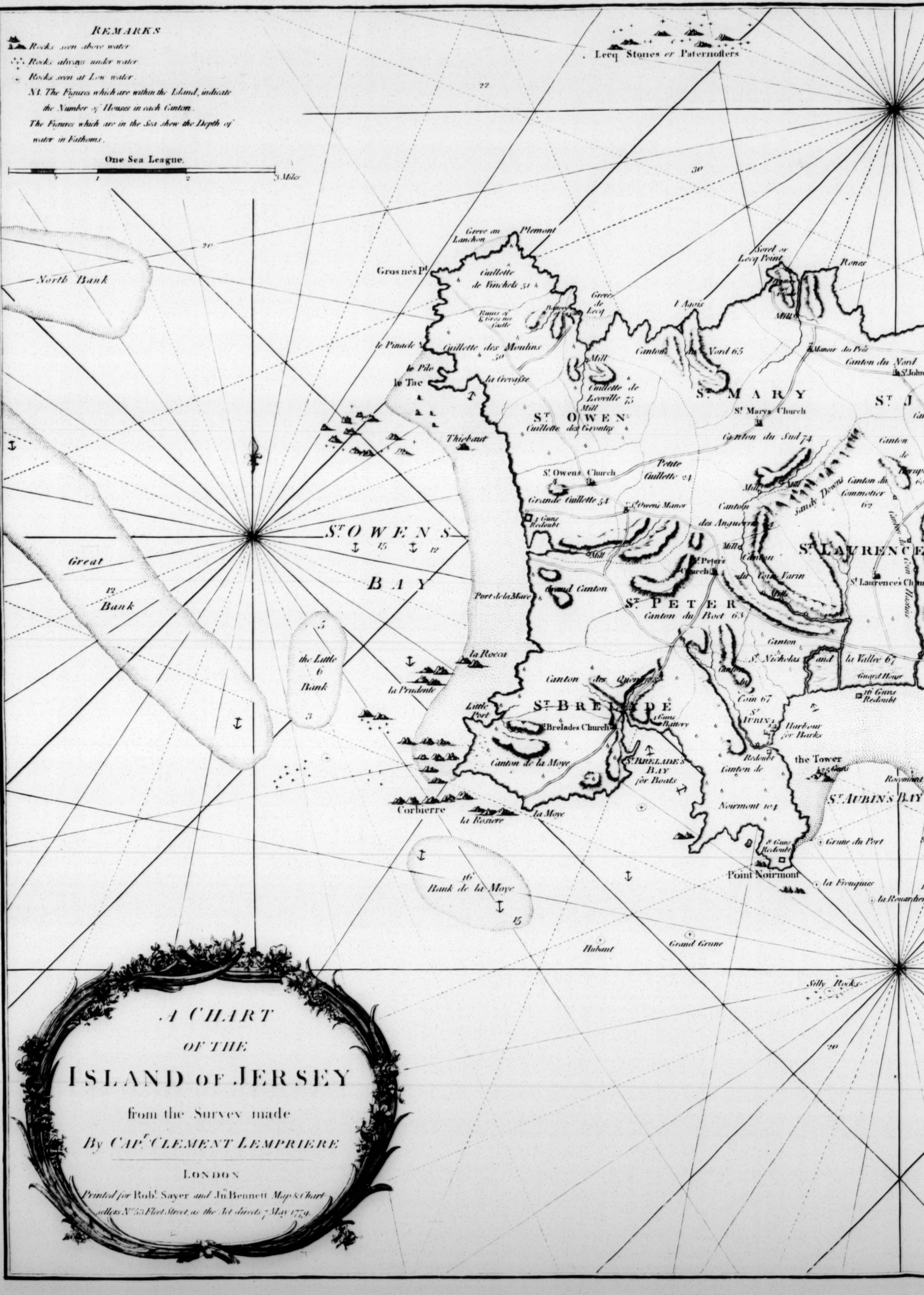

PART
Pt Rozel
Pt Ry
Pt Carteret
Banc des Grunes
Bancs de l'Ecrevier
Ecreho
Mont Orgueil
La Coupe
La Roque
Belle Hougue
JERSEY
St Helier
Aubin
Corbiere
St Owens Bay
Grosnez
Banc Greletz
Paternosters
LA DEROUTTE
Blanchard
SARK
HERM
JETHOU
GRAND RUET
PETIT RUET
Clos du Vale
Brehon
GUERNSEY
Lihou
Rock Dover
2 degrees of Longitude W. from London
49
30
35
40
45
50
55
5
10
15
20
25
3



A NEW CHART
OF THE ISLAND OF
GUERNSEY,
WITH THOSE OF
SARK, HERM and JETHOU;
Shewing all the Rocks, Shoals and other Dangers
the Channels, Soundings and Run of the Tides &c.
Improved from the Survey made
By Capt. DOBREE

LONDON
Printed for R. Sayer & J. Bennett Map & Chart sellers No. 53 Fleet Street
as the Act directs May 7. 1779.


les Braves
Roufse
Roque au Nord
la Sablonaise
Anglaises or l'Hilgenans
Culhoure
Pointe du Vale
Lan Cresse
CLOS DU VALE
Le Vale
Braye de Vale
Bourdeaux
les Houmets
Cobette
Pont du Vale
Rouftel
Sunken Rock
Plat Rocher
Garal
Rousse
Chateau des Marais
Moulin des Monts
S.t Sampson
M.t Crevel
les Batarde
la Grune au Rouge seldom seen
le Genettes
Brehonet
Brehon
les Refees
Bouges Agenor
LA VILLE
Sardretts
la Blanche Roche
PETITE RADE
Château Cornet
Tremies
Petit Fort
Hiriere
Moulinet
Baye de Fermain
Gabriele
Bedunal
Baye S.t Martin
Longue Pierre
Bougepenre
Battery
S.T MARTIN
les Gruns
4 Hours after the Beginning of Flood
GRAND BANC
GRANDE RADE
Crevichon
JETHOU
Encourriere
Fourquies
la Blanche
la Grosse
les Barbes
la Coubaniere
les Tetes l'Aval
la Meme
La Sardiere
HERM
Noire Pute or Nere Pute
ENTRANCE of PETIT RUAU or LITTLE RUSSEL
in this Channel there is 5 and 6 Fathoms water at the lowest Ebb
Flood
Tantenay
Galeux
Godin
Cullautel
Longue Pierre
Grande Amfrock
the Amfrocks
Petite Amfrock
les Bouffresses
la Plate Boue
Ebb
Flood
GRAND RUAU or GREAT RUSSEL
Le Nez
la Pumereuse
la Noire
la Grune
Grosse Moie
la Pendante
SARK
SERCQ
or CERS
Les Burons
Blanchard
Givaune
Brecqhou
l'Isle aux Marchands
les Dents
La Baveuse
Les Bouées
Petit Cercq
la Conchee
Le Balot
La Baleine
les Bretagnes
les deux Tetes d'Aval
Pierre de Cou
Etat de Sercq
Les Victos
6
10
11
16
18
20
25
30
35
40
2½
3
3½
4
14
15
17

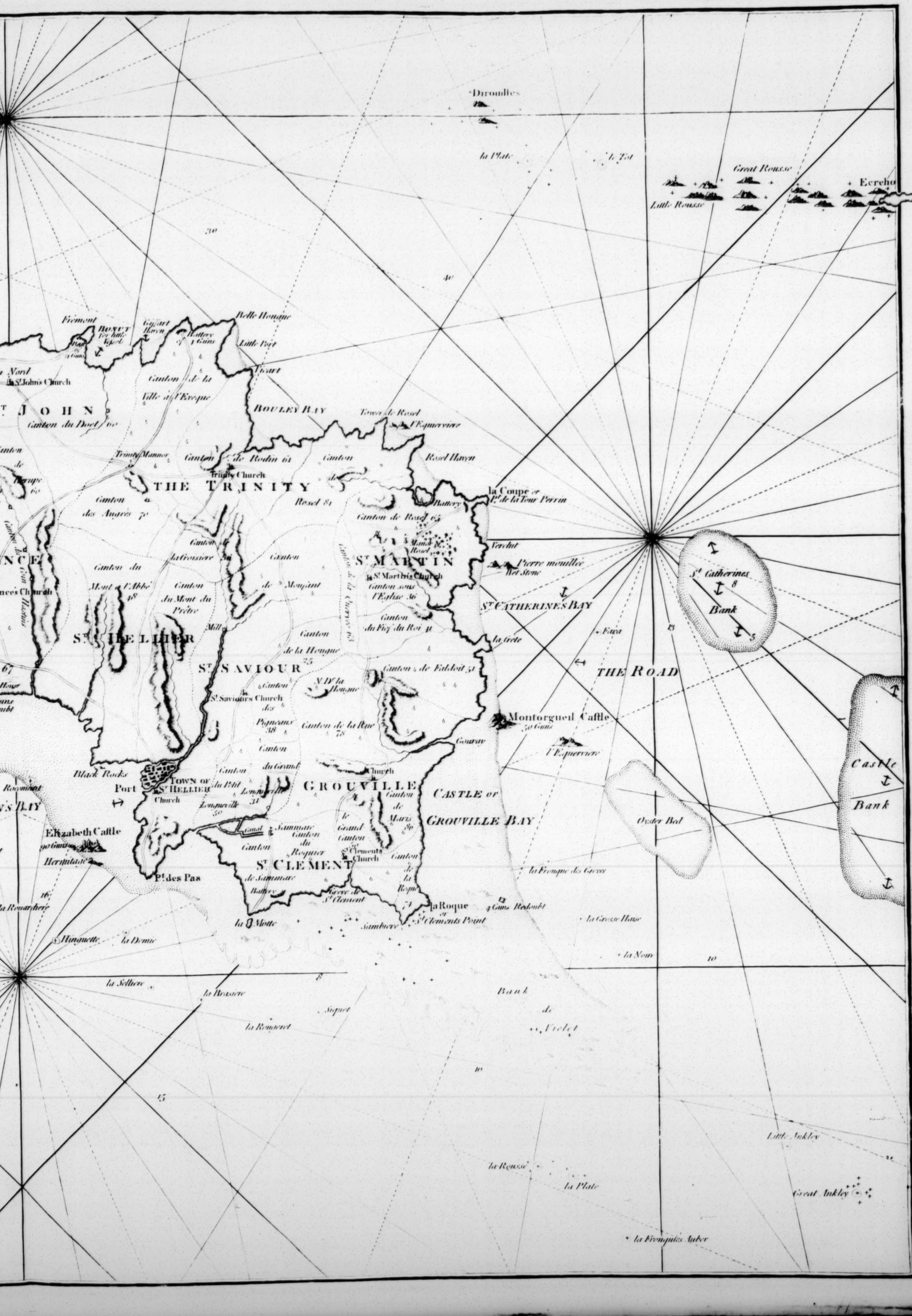


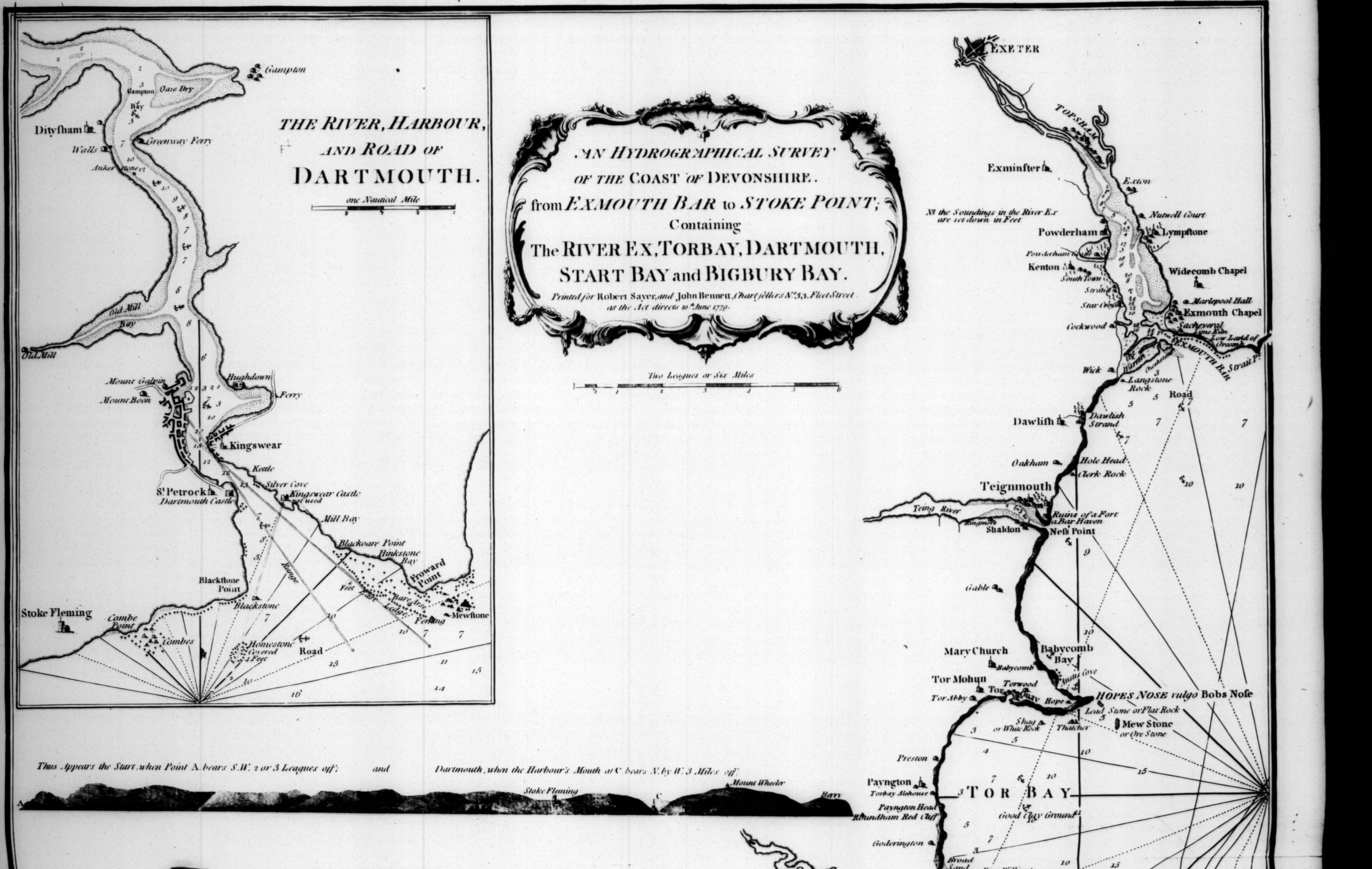
A CHART OF THE
ISLAND OF JERSEY
from the Survey made
By CAPT. CLEMENT LEMPRIERE

LONDON
Printed for Robt. Sayer and Jno. Bennett Map & Chart-sellers No. 53 Fleet Street, as the Act directs 7 May 1779.

REMARKS
Rocks seen above water
Rocks always under water
Rocks seen at Low water
NB. The Figures which are within the Island, indicate the Number of Houses in each Canton.
The Figures which are in the Sea shew the Depth of water in Fathoms.

One Sea League.


Droulles
la Plate
le Tot
Great Rousse
Little Rousse
Ecreho
30
40
Fiemont
BONET for little Vessels
Giffart Haven
Battery of 4 Guns
Belle Hougue
Little Port
Vicart
Nord
St. John's Church
T JOHN
Canton du Doet 60
Canton de la Ville à l'Eveque
BOULEY BAY
Tower de Rosel
l'Equerviere
Trinity Mannor
Canton de Rodin 61
Trinity Church
THE TRINITY
Canton de
Rosel 81
Rosel Haven
la Coupe or Pt. de la Tour Perrin
Battery
Canton de Rosel 63
Manor of Rosel
Canton des Augrés 70
Canton de la Crousiere
Canton de Mouyant
Canton de la Charrière 63
ST. MARTIN
Verdut
Pierre mouillée
Wet Stone
St. Martin's Church
Canton sous l'Eglise 36
ST. CATHERINES BAY
St. Catherines Bank
8
5
Canton du Mont à l'Abbé 48
Canton du Mont du Prêtre
Mill
ST. HELLIER
Canton du Fief du Roi 41
la Crete
13
Eura
THE ROAD
Canton de la Hougue 25
ST. SAVIOUR
Canton de Faldoit 51
N.D. la Hougue
Canton des Pigneaux 38
St. Saviours Church
Canton de la Rue 78
Montorgueil Castle
50 Guns
Gourav
l'Equerviere
Castle Bank
67
Black Rocks
Port
TOWN OF ST. HELLIER
Church
Canton du Petit Longueville 31
Canton du Grand Longueville 50
Church
GROUVILLE
Canton de Maris 80
CASTLE or GROUVILLE BAY
Oyster Bed
BAY
Elizabeth Castle
90 Guns
Hermitage
Canal
Sammare
Canton du Roquier
le Grand Canton 50
St. Clements Church
ST. CLEMENT
Canton de la Roque
Canton de Sammare
Battery
Greve de St. Clement
74
la Roque or St. Clements Point
4 Guns Redoubt
Pt. des Pas
16
la Rouardiere
la Motte
Samburé
la Fronque des Greves
la Greve Hase
Hinguette
la Demie
la Noire
10
la Sellière
la Brassiere
8
Siquet
la Rouseret
Bank de Violet
10
15
Little Ankley
la Rousse
la Plate
Great Ankley
la Fronquiés Auber



AN HYDROGRAPHICAL SURVEY OF THE COAST OF DEVONSHIRE. from EXMOUTH BAR to STOKE POINT;

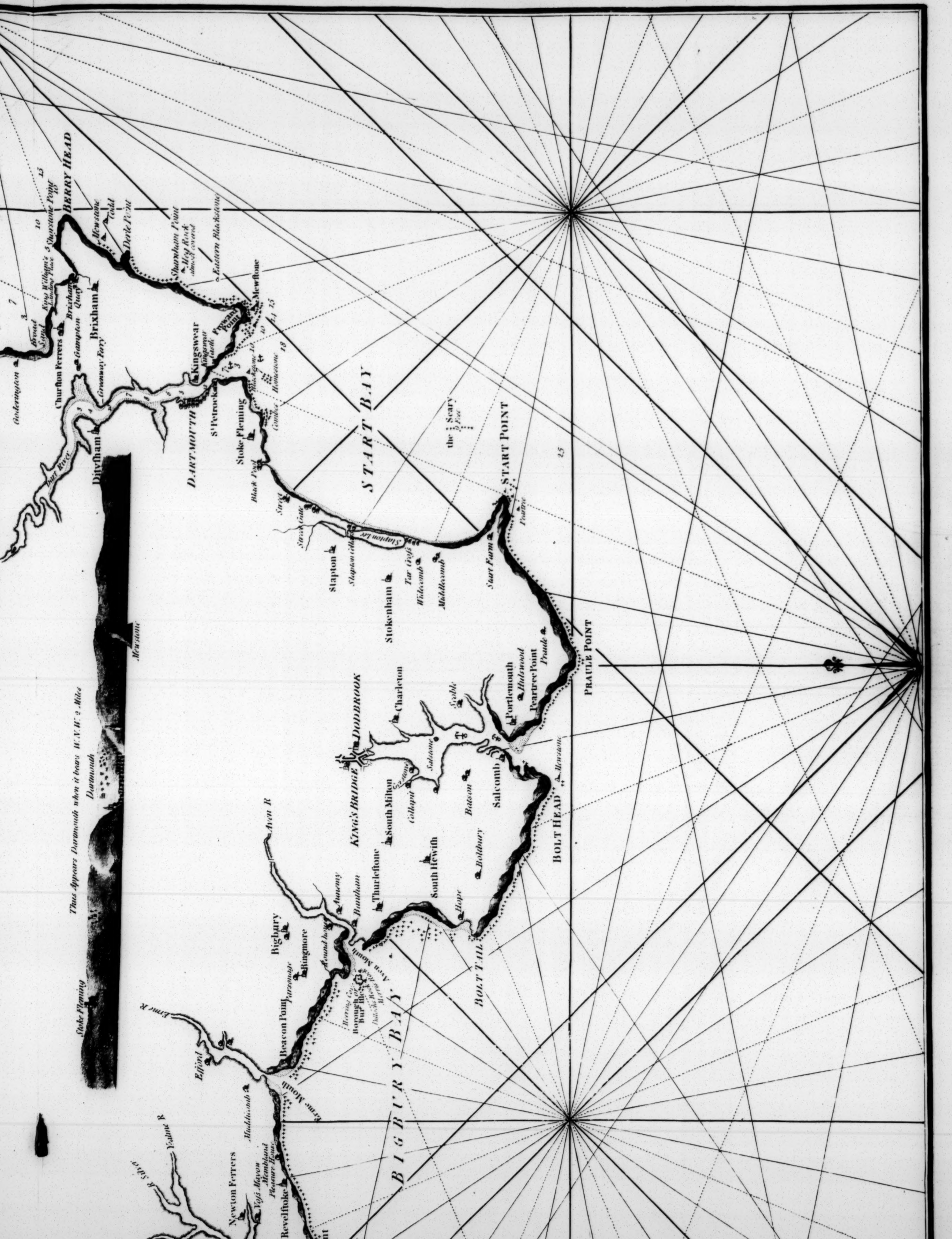
Containing

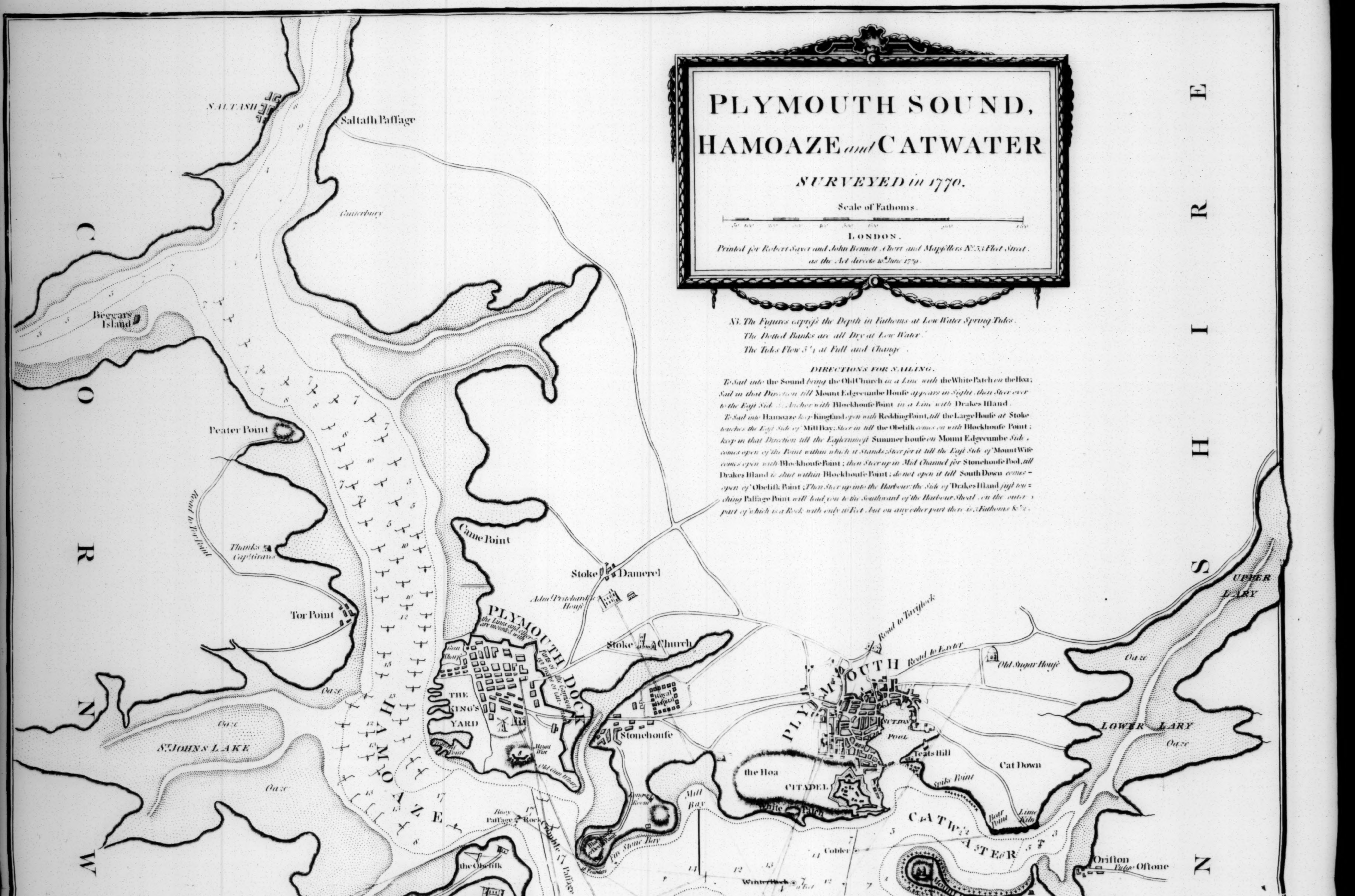
The RIVER EX, TORBAY, DARTMOUTH, START BAY and BIGBURY BAY.

Printed for Robert Sayer, *and* John Bennett, *Chart sellers Nº. 53, Fleet Street*
as the Act directs 10th June 1779.

THE RIVER, HARBOUR, AND ROAD OF DARTMOUTH.

Thus Appears the Start, when Point A. bears S.W. 2 or 3 Leagues off; and *Dartmouth, when the Harbour's Mouth at C. bears N. by W. 3 Miles off.*


BERRY HEAD
Shoreston Point
King William's Landing Place
Broad Sand
Goderington
Churston Ferrers
Brixham Quay
Brixham
Gampton
Greenway Ferry
Kingswear
Froward Point
Mewstone
Sharkham Point
Mag Rock
Eastern Blackstone
DARTMOUTH
St Petrocks
Dart River
Dittisham
Stoke Fleming
Black Pool
START BAY
the Skerry
START POINT
Stapton
Stokenham
Tar Cross
Widecomb
Middlecomb
Start Farm
PRAULE POINT
Praule
Peartree Point
Halwood
Portlemouth
Charleton
DODBROOK
KING'S BRIDGE
South Milton
Salcomb
Batson
Mewstone
BOLT HEAD
South Hewish
Boltbury
Hope
Thurlestone
Bantham
Avon R
Bigbury
Ringmore
BOLT TAIL
BIGBURY BAY
Avon Mouth
Borough Isle
Beacon Point
Erme R
Efford
Erme Mouth
Mothecombe
Newton Ferrers
Revelstoke
Stoke Point
Yealme Mouth
Yealme R
Goffleet Lake
Wembury
Mewstone
Thus Appears Dartmouth when it bears W.N.W. 2 Miles
Dartmouth
Mewstone
Stoke Fleming
10
15
7
3
25



PLYMOUTH SOUND, HAMOAZE *and* CATWATER

SURVEYED in 1770.

Scale of Fathoms.

LONDON.

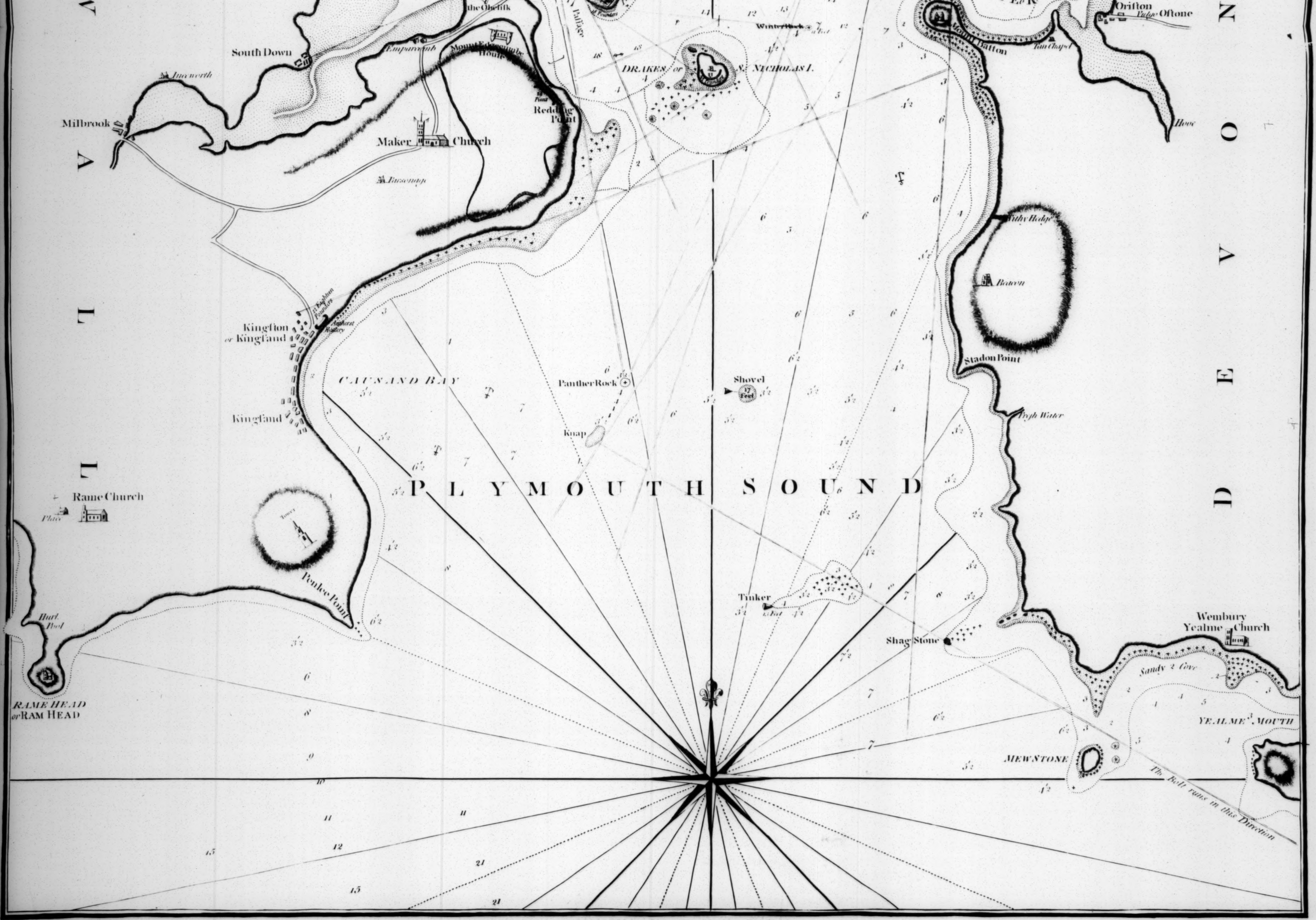
Printed for Robert Sayer and John Bennett, Chart and Mapſellers No. 53 Fleet Street,
as the Act directs 10th June 1779.

NB. The Figures expreſs the Depth in Fathoms at Low Water Spring Tides.
The Dotted Banks are all Dry at Low Water.
The Tides Flow 5h ¼ at Full and Change.

DIRECTIONS FOR SAILING.

To Sail into the Sound *bring* the Old Church *in a Line with* the White Patch *on* the Hoa; *Sail in that Direction till* Mount Edgecumbe Houſe *appears in Sight, then Steer over to the Eaſt Side & Anchor with* Blockhouſe Point *in a Line with* Drakes Iſland.

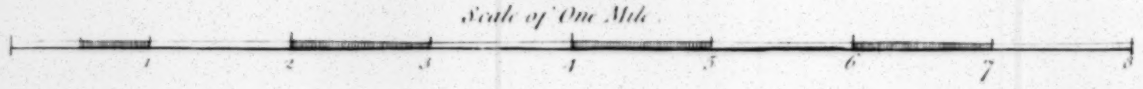
To Sail into Hamoaze *keep* Kingſand *open with* Redding Point, *till* the Large Houſe *at* Stoke *touches the Eaſt Side of* Mill Bay; *Steer in till* the Obeliſk *comes on with* Blockhouſe Point; *keep in that Direction till the Eaſternmoſt* Summer houſe *on* Mount Edgecumbe *Side, comes open of the Point within which it Stands; Steer for it till the Eaſt Side of* Mount Wiſe *comes open with* Blockhouſe Point; *then Steer up in Mid Channel for* Stonehouſe Pool, *till* Drakes Iſland *is shut within* Blockhouſe Point; *do not open it till* South Down *comes open of* Obeliſk Point; *Then Steer up into the Harbour: the Side of* Drakes Iſland *juſt touching* Paſſage Point *will lead you to the Southward of the Harbour Shoal, on the outer part of which is a Rock with only 10 Feet, but on any other part there is 3 Fathoms & ½.*


D E V O N
W A L L
PLYMOUTH SOUND
CAUSAND BAY
DRAKES or S. NICHOLAS I.
Mount Batton
Oriston
Passage
Hove
Withy Hedge
Beacon
Stadon Point
Fresh Water
Wembury
Yealme Church
Sandy Cove
YEALME MOUTH
MEWSTONE
The Bolt runs in this Direction
Shag Stone
Tinker
Shovel
Panther Rock
Knap
South Down
Mount Edgcumbe House
Emparcomb
Redding Point
Maker Church
Milbrook
Kingston or Kingsand
Kingsand
Penlee Point
Rame Church
RAME HEAD or RAM HEAD

A PLAN
OF THE
ROAD AND HARBOUR OF FOWEY OR FOY.

By LIEUT. JAMES COOK of the Royal Navy.

London Printed for R. Sayer & J. Bennett Chartsellers No. 53 Fleet Street, as the Act directs 10th June 1779

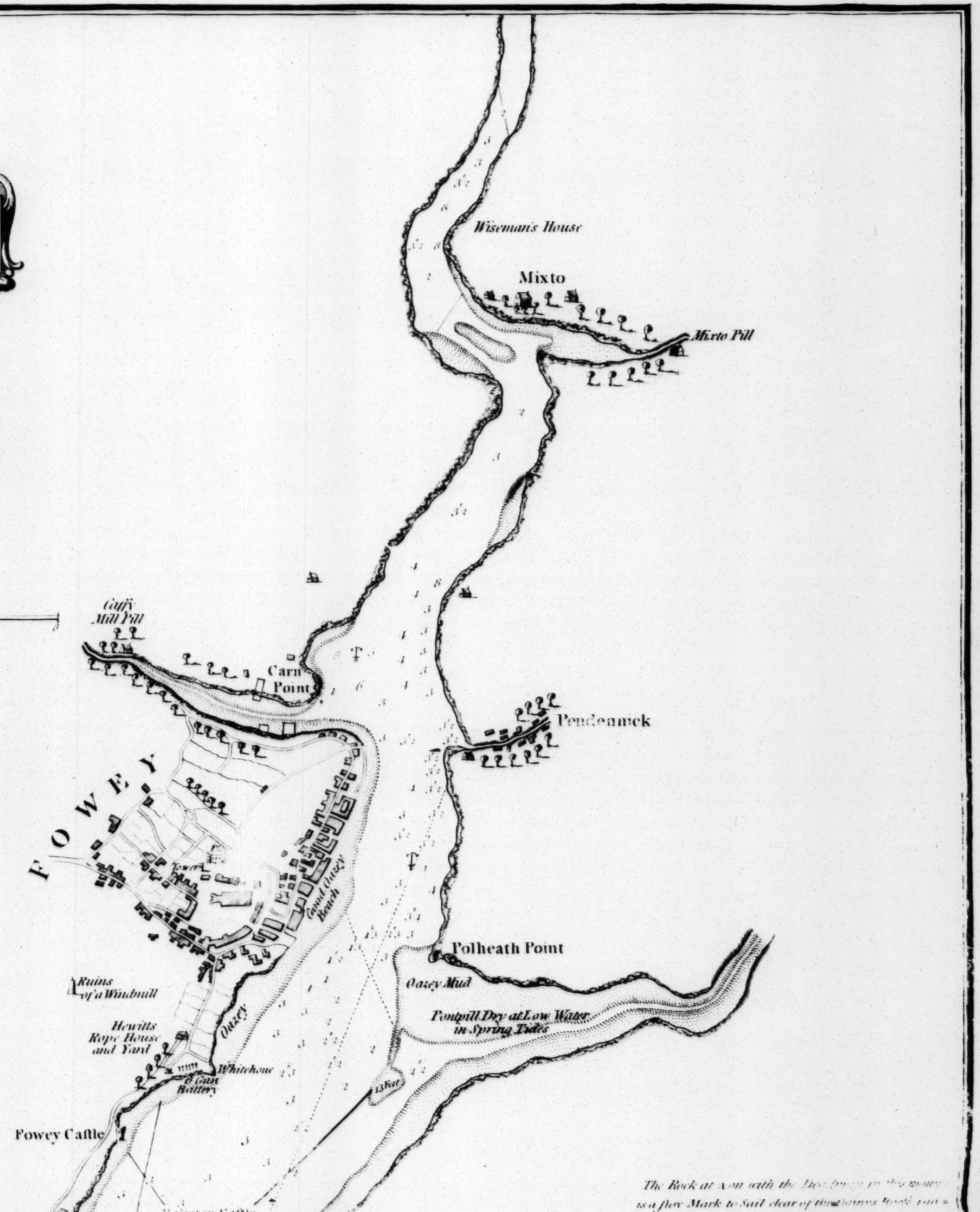


A View of Fowey when it bears N. E. by N. by the Compass, Three or Four Miles off.

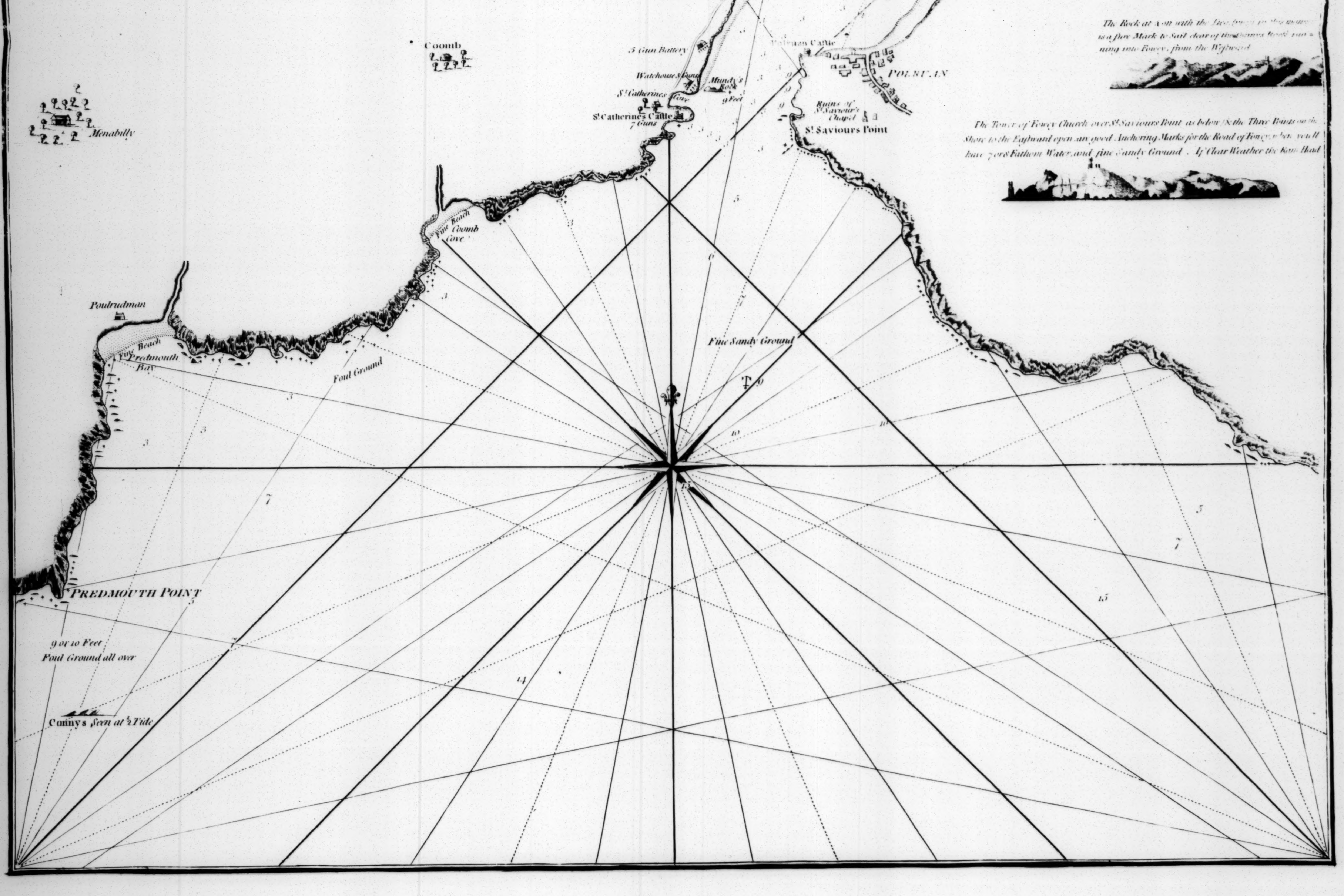
OBSERVATIONS.

Fowey as described by Collins in his Coasting Pilot and by the Author of the Mariner's Calendar, lies N. E. from Deadman's Point about 4 Leagues distance, but it differs from the Description given by those Authors of its Entrance in the following Particulars: First having no Church on the Western Shore, nor Pleasure House on the Eastern one, and the Beacon also as described by Collins on Predmouth Point is not now remaining.

NB: All the Soundings in this Plan may be depended on to be the smallest extreme at the Lowest Ebb, on a Spring Tide, as also for the number of Fathoms, except where the Letters Ft. are added for Feet.

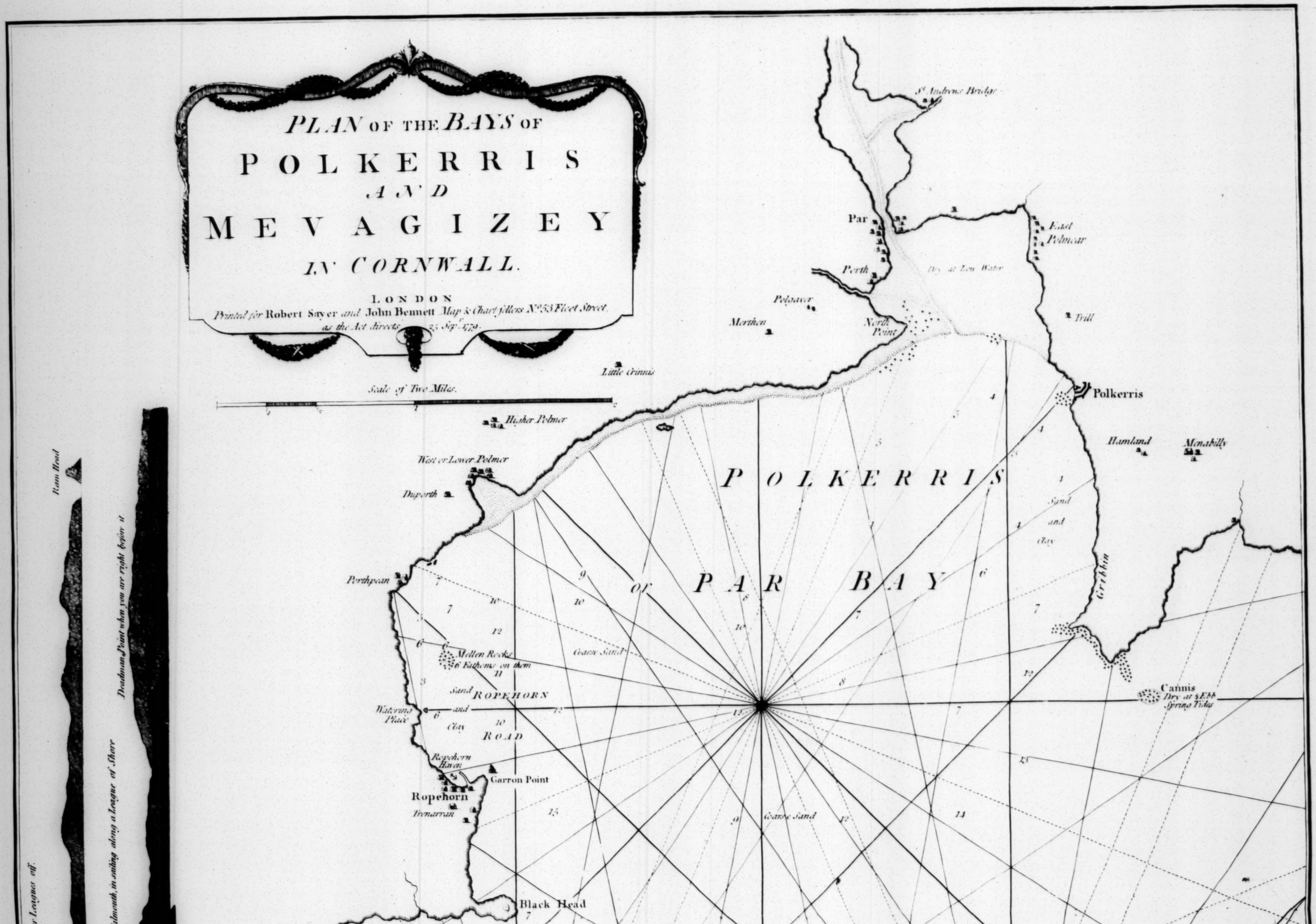


The Rock at A on with the [illegible]
is a sure Mark to Sail clear of the [illegible]



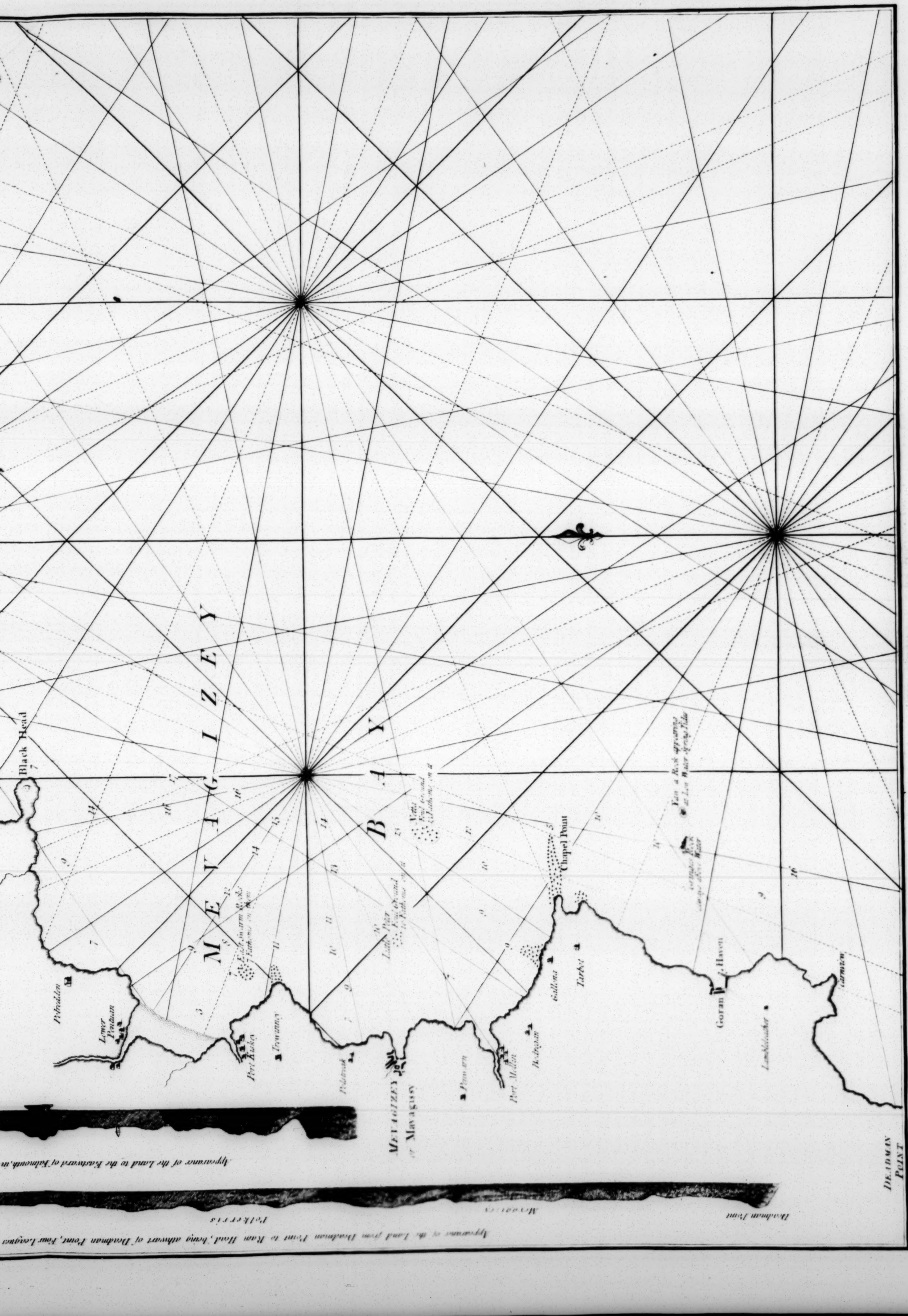
The Rock at x on with the Tree [illegible] is a ſure Mark to Sail clear of the Cannis Rock run- ning into Fowey, from the Weſtward

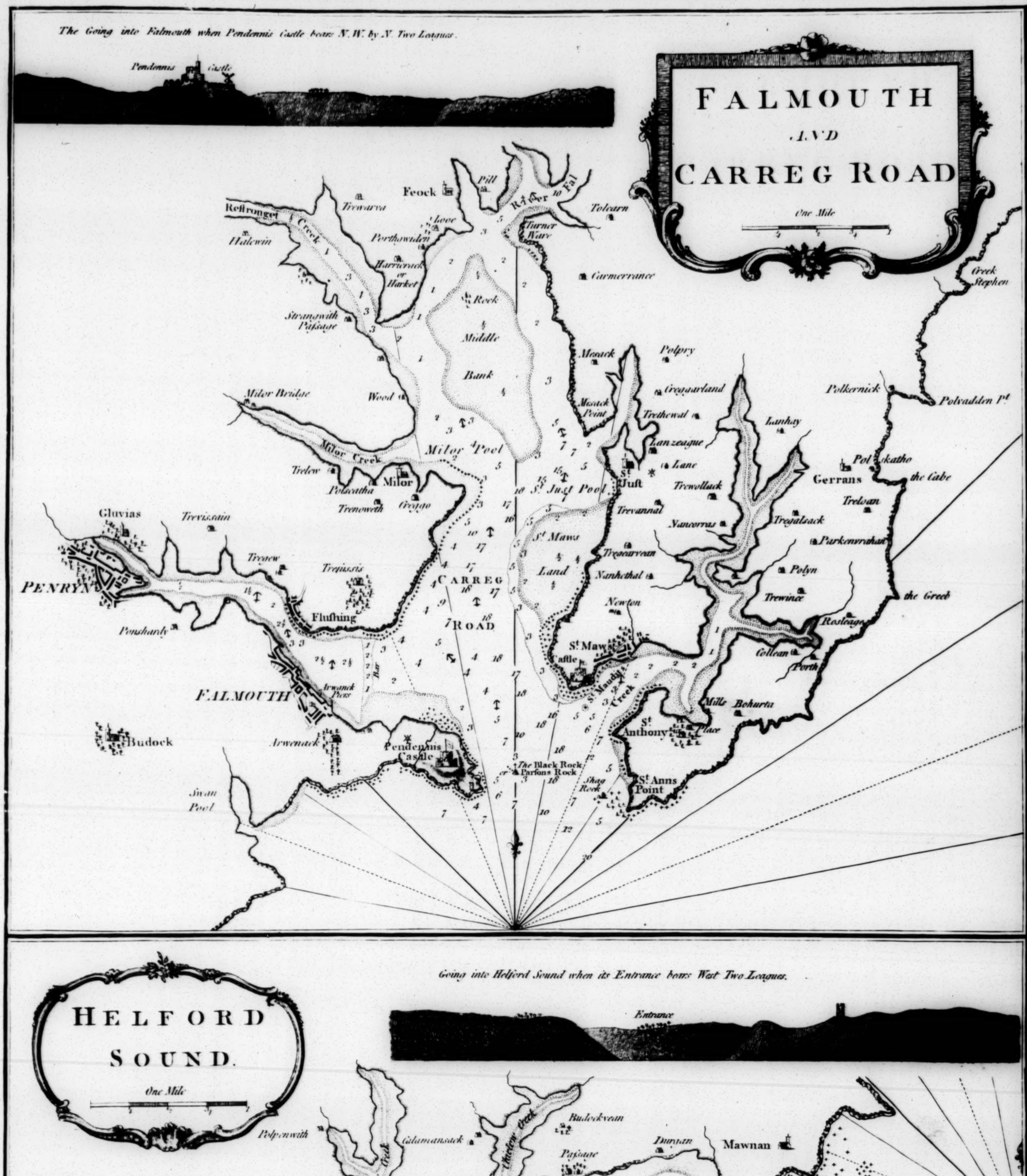
The Tower of Fowey Church over S.t Saviours Point as below & the Three Points on the Shore to the Eaſtward open are good Anchoring Marks for the Road of Fowey, when you'll have 7 or 8 Fathom Water and fine Sandy Ground . If Clear Weather the Ram Head



PLAN OF THE BAYS OF POLKERRIS AND MEVAGIZEY IN CORNWALL.

LONDON
Printed for Robert Sayer and John Bennett Map & Chart sellers No. 53 Fleet Street, as the Act directs 25 Sep.r 1779.

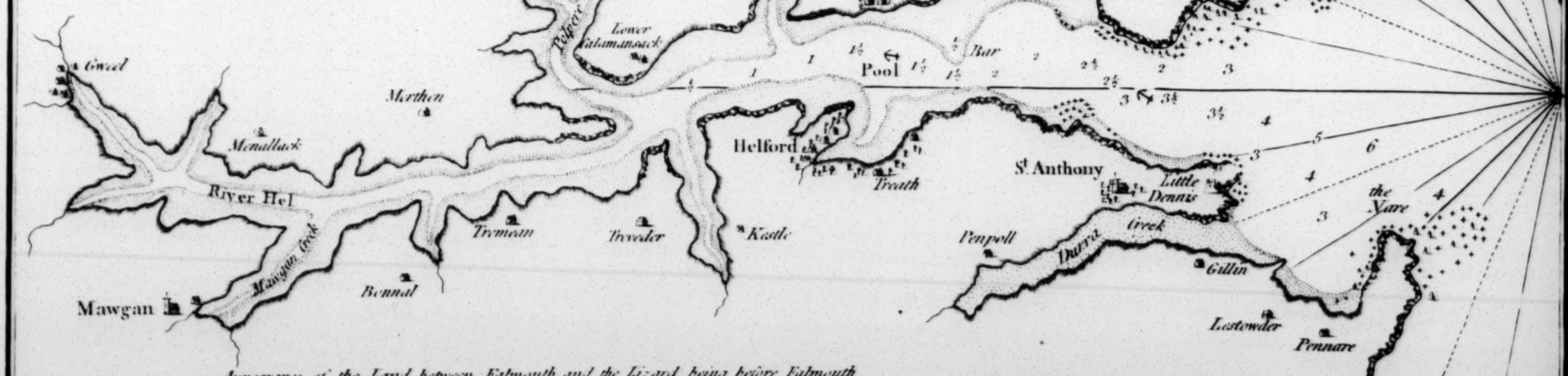

MEVAGIZEY BAY
Black Head
Polrudden
Lower Pentuan
Port Huskey
Trevanney
Polstreak
MEVAGIZEY or Mavagissy
Penwarn
Port Mellin
Bodrigan
Gallona
Tarbot
Chapel Point
Little Peter Foul Ground 10 Fathoms on it
Vetta Foul Ground 13 Fathoms on it
East Swarm Rocks 7 Fathoms on them
Van a Rock appearing at Low Water Spring Tides
Gwinges Rock always above Water
Goran
Haven
Lambledasher
Carmien
DEADMAN POINT
Appearance of the Land to the Eastward of Falmouth, in
Appearance of the Land from Deadman Point to Ram Head, being athwart of Deadman Point, Four Leagues
Polkerris
Mevagizey
Deadman Point
7
14
9
7
3
10
11
15
16
14
13
11
12
2
9
7
5
12
10
10
9
16
9
20
16



FALMOUTH AND CARREG ROAD

One Mile

The Going into Falmouth when Pendennis Castle bears N.W. by N. Two Leagues.



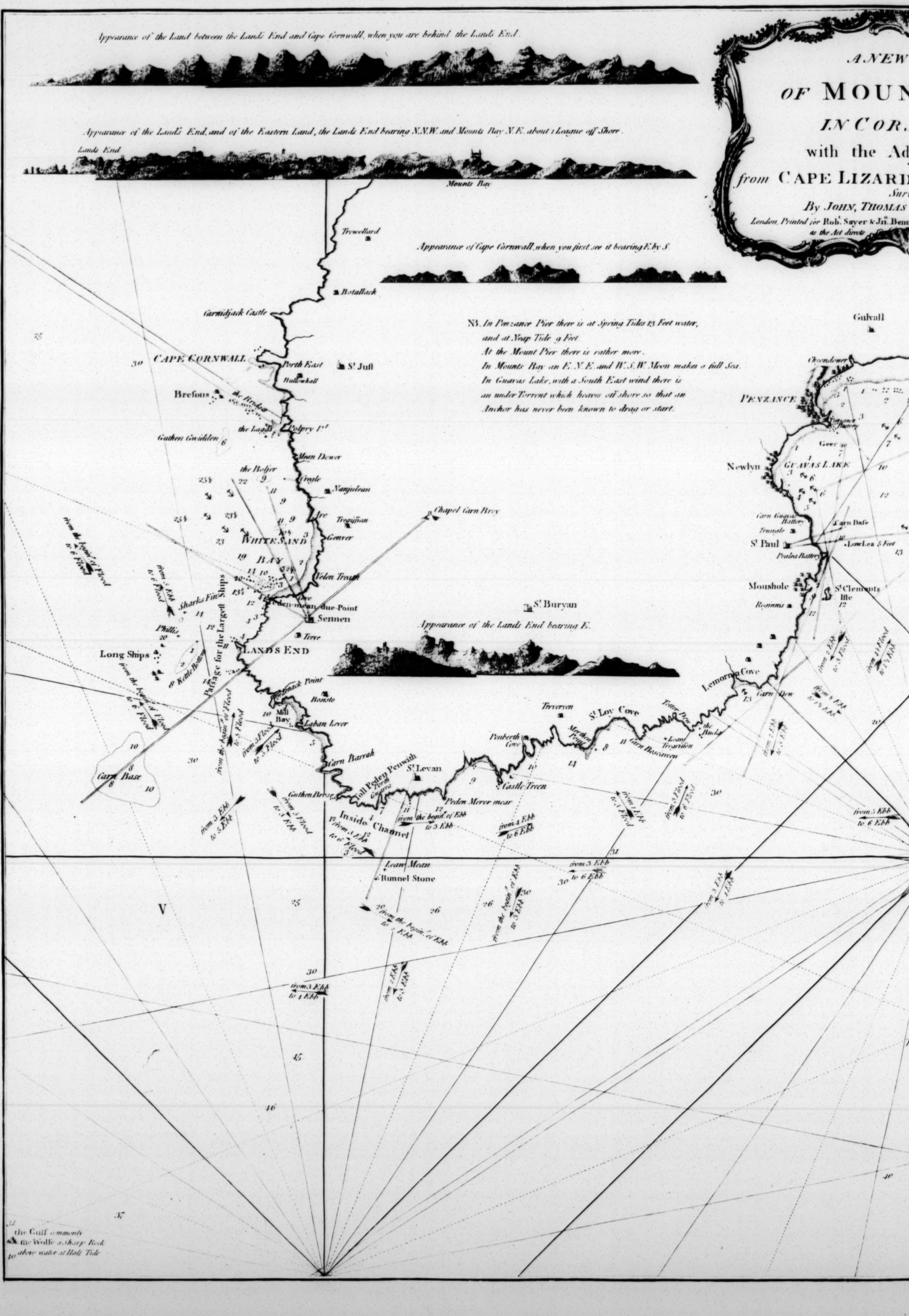
HELFORD SOUND.

One Mile

Going into Helford Sound when its Entrance bears West Two Leagues.

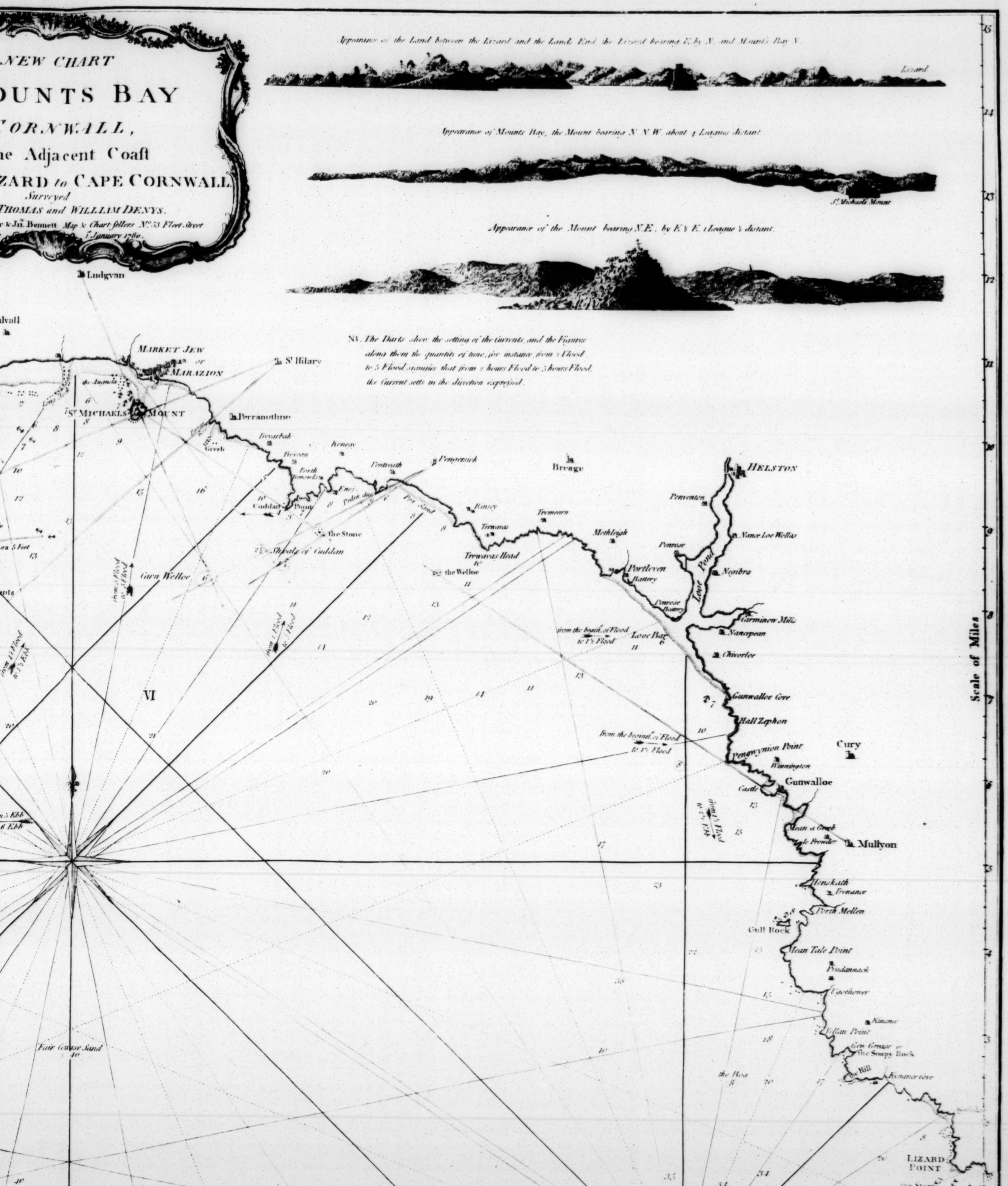
Appearance of the Land between Falmouth and the Lizard, being before Falmouth.

London, Printed for R. Sayer & J. Bennett Map & Chart-ſellers No. 53 Fleet Street as the Act directs 25: Sepr. 1779



A NEW
OF MOUN
IN COR
with the Ad
from CAPE LIZARI
Surv
By JOHN, THOMAS
London, Printed for Robt. Sayer & Jno. Benn
as the Act directs

NB. In Penzance Pier there is at Spring Tides 13 Feet water,
and at Neap Tide 9 Feet
At the Mount Pier there is rather more.
In Mounts Bay an E.N.E. and W.S.W. Moon makes a full Sea.
In Guavas Lake, with a South East wind there is
an under Torrent which heaves off shore so that an
Anchor has never been known to drag or start.



NEW CHART

OUNTS BAY

ORNWALL,

he Adjacent Coaſt

ZARD *to* CAPE CORNWALL

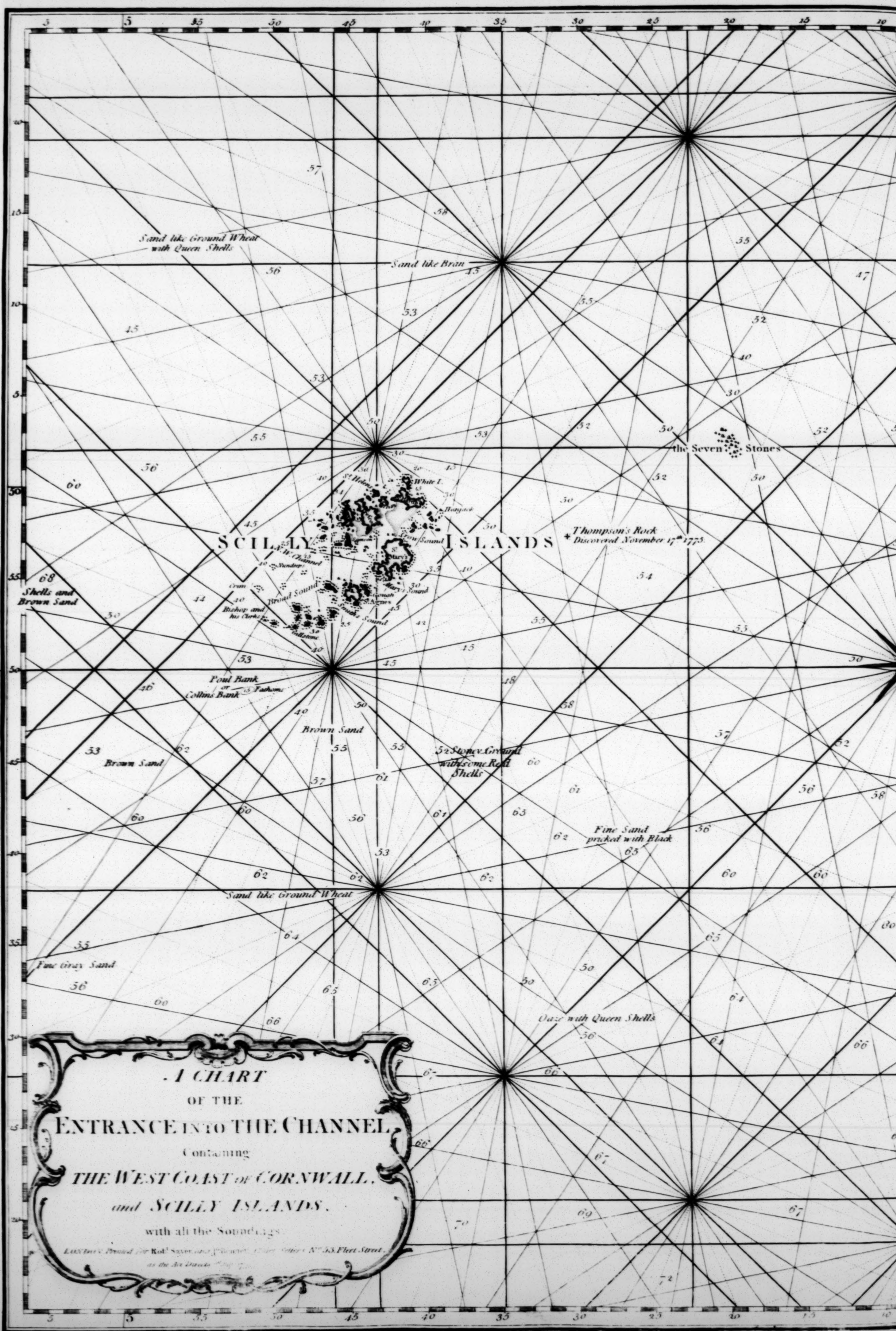
Surveyed

THOMAS and WILLIAM DENYS.

r & Jn.º Bennett *Map & Chart-sellers Nº 53 Fleet Street*

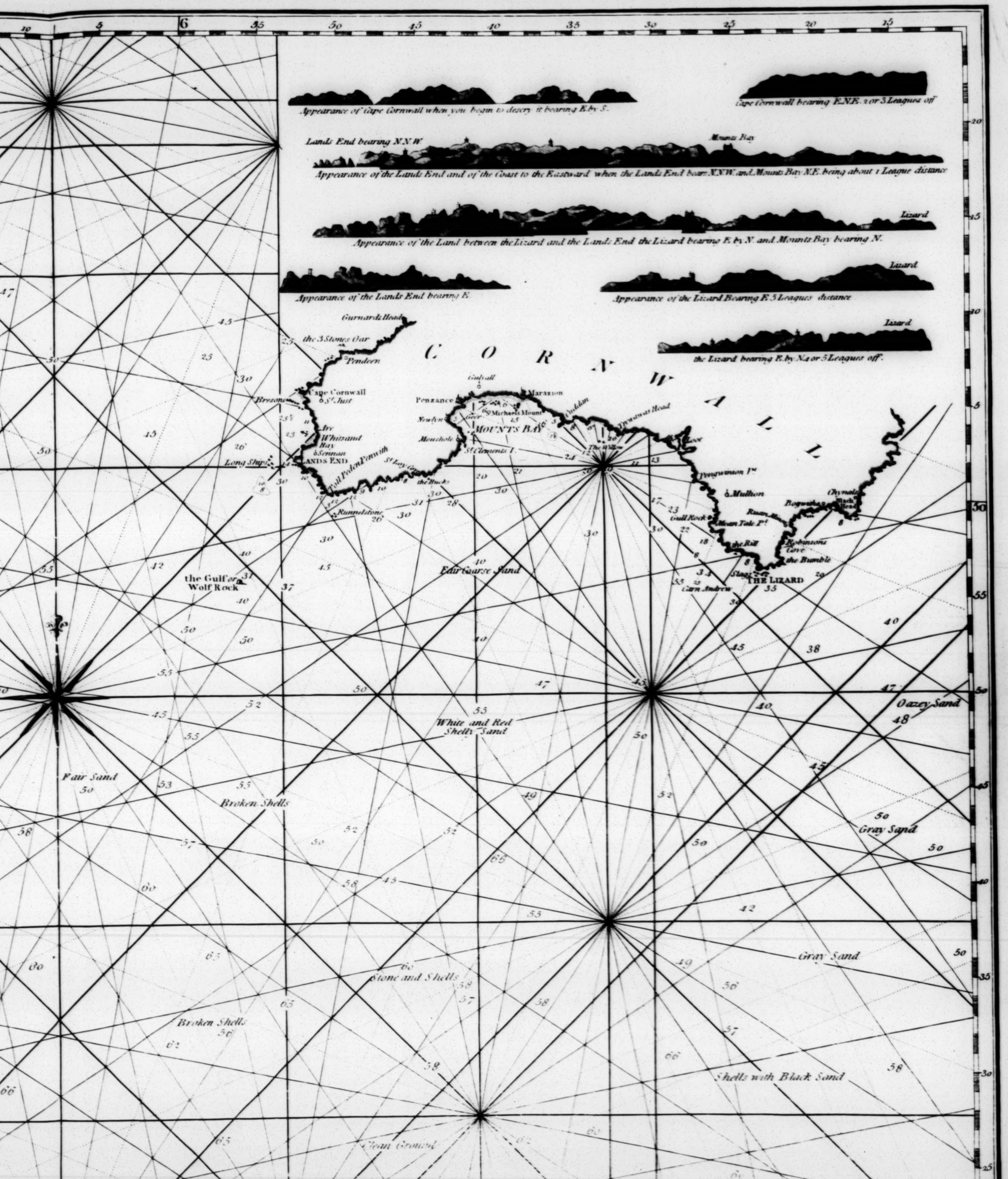
7 January 1780.

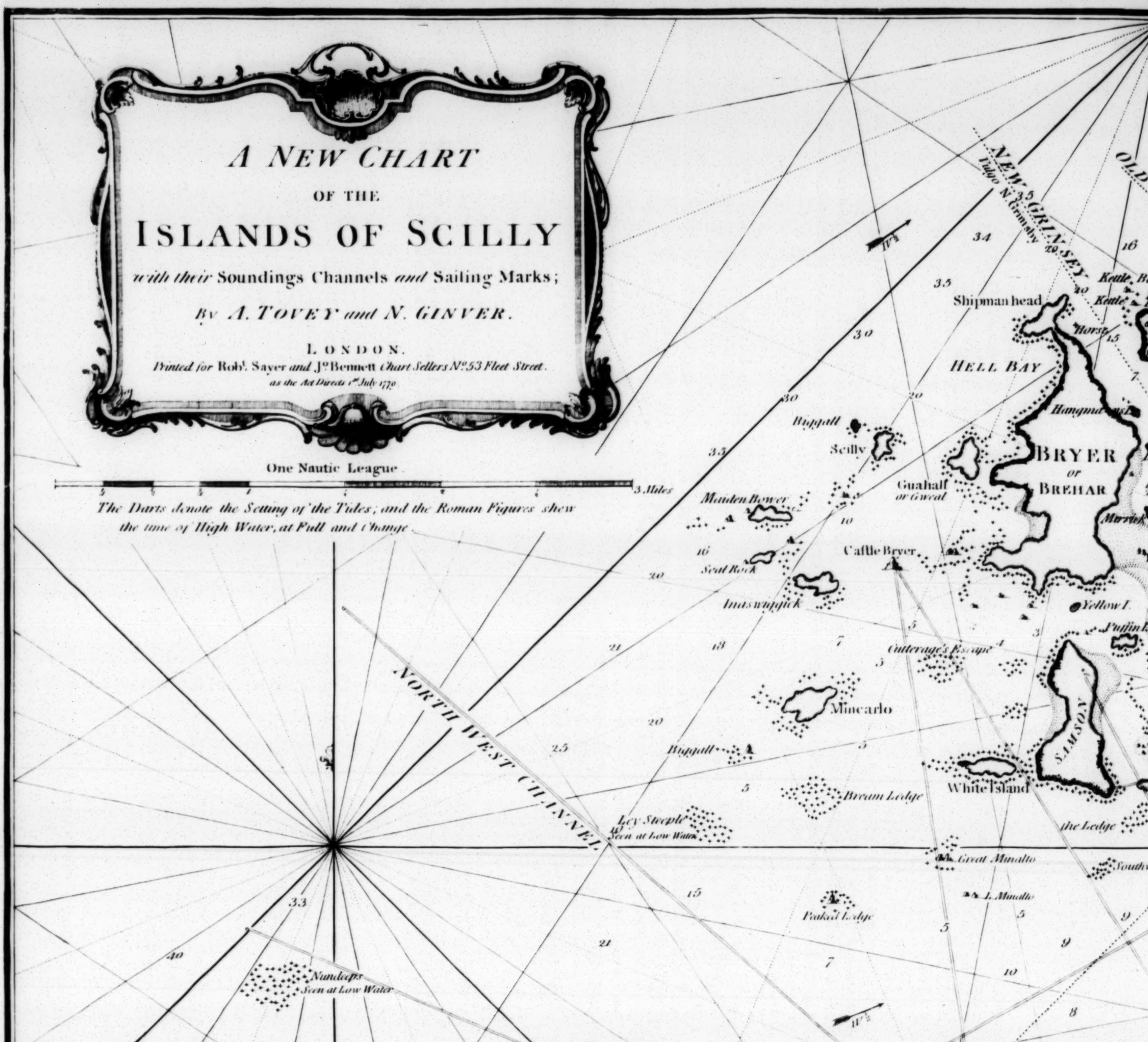
N.B. *The Darts shew the setting of the Currents, and the Figures along them the quantity of time; for instance from 2 Flood to 5 Flood signifies that from 2 hours Flood to 5 hours Flood, the Current setts in the direction expressed.*



A CHART
OF THE
ENTRANCE INTO THE CHANNEL
Containing
THE WEST COAST OF CORNWALL,
and SCILLY ISLANDS,
with all the Soundings.

LONDON. Printed for Robt. Sayer and Jno. Bennett, Chart Sellers, No. 53, Fleet Street, as the Act Directs [illegible]


Appearance of Cape Cornwall when you begin to descry it bearing E.by S.
Cape Cornwall bearing E.N.E. 2 or 3 Leagues off
Lands End bearing N.N.W.
Mounts Bay
Appearance of the Lands End and of the Coast to the Eastward when the Lands End bears N.N.W. and Mounts Bay N.E. being about 1 League distance
Lizard
Appearance of the Land between the Lizard and the Lands End the Lizard bearing E. by N. and Mounts Bay bearing N.
Appearance of the Lands End bearing E.
Lizard
Appearance of the Lizard Bearing E. 5 Leagues distance
Lizard
the Lizard bearing E. by N. 4 or 5 Leagues off.
C O R N W A L L
Gurnards Head
the 3 Stones Oar
Pendeen
Cape Cornwall
St. Just
Bresons
Are
Whitsand Bay
Sennan
LANDS END
Long Ships
Toll Pedon Penwith
St. Loy
the Bucks
Runnelstone
Gulvall
Penzance
Marazion
St. Michaels Mount
Newlyn
Mousehole
MOUNTS BAY
St. Clements I.
Cuddan
Penguinion Pt.
Mullion
Gull Rock
Robinsons Cove
the Bumble
Stags
THE LIZARD
Carn Andrew
the Gulf or Wolf Rock
Fair Coarse Sand
White and Red Shelly Sand
Oazey Sand
Fair Sand
Broken Shells
Gray Sand
Stone and Shells
Broken Shells
Shells with Black Sand
Clean Ground
Sand and Cockle Shells
Shells mixt with Black Stones
Longitude West from London



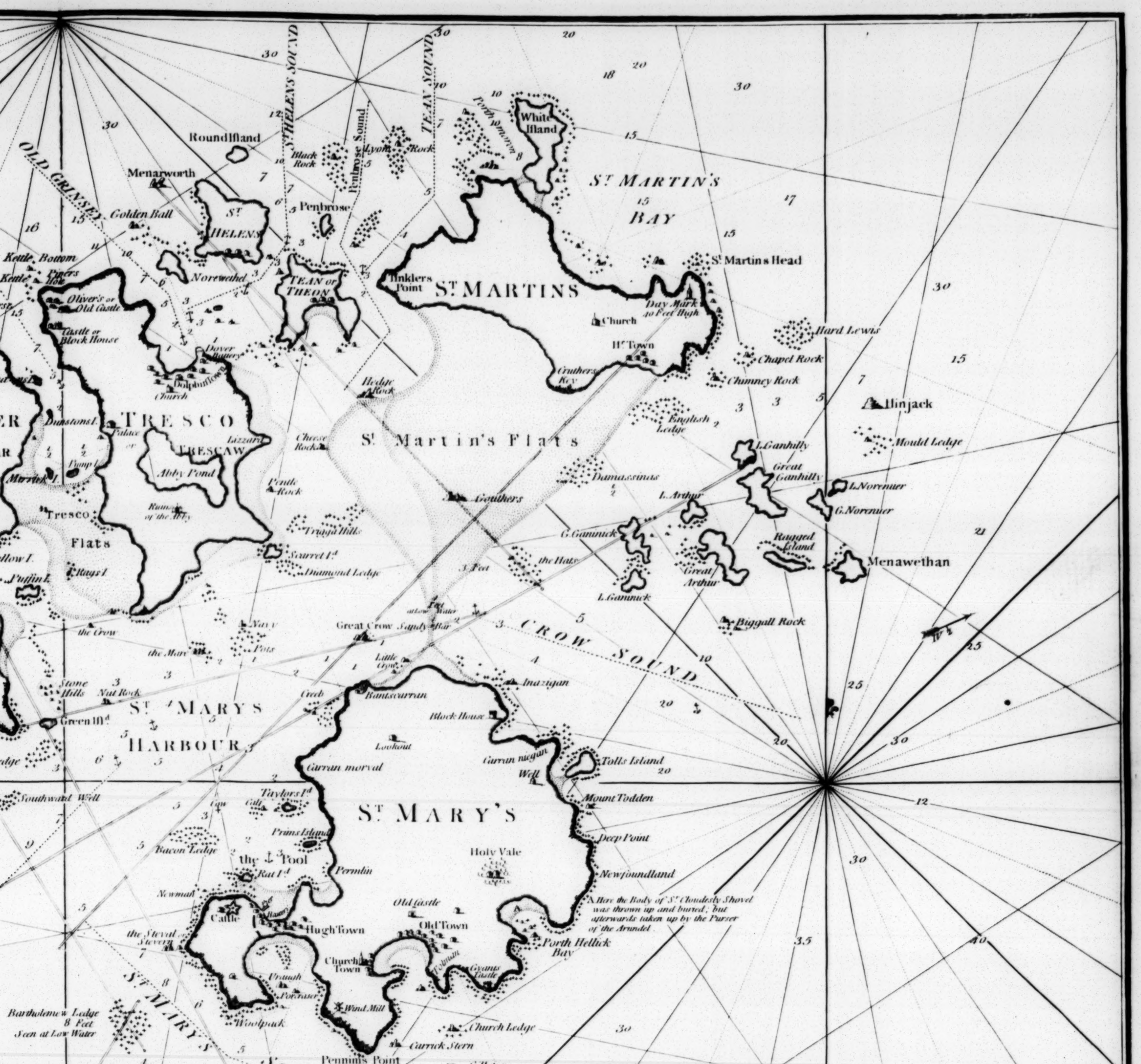
A NEW CHART
OF THE
ISLANDS OF SCILLY
with their Soundings Channels *and* Sailing Marks;

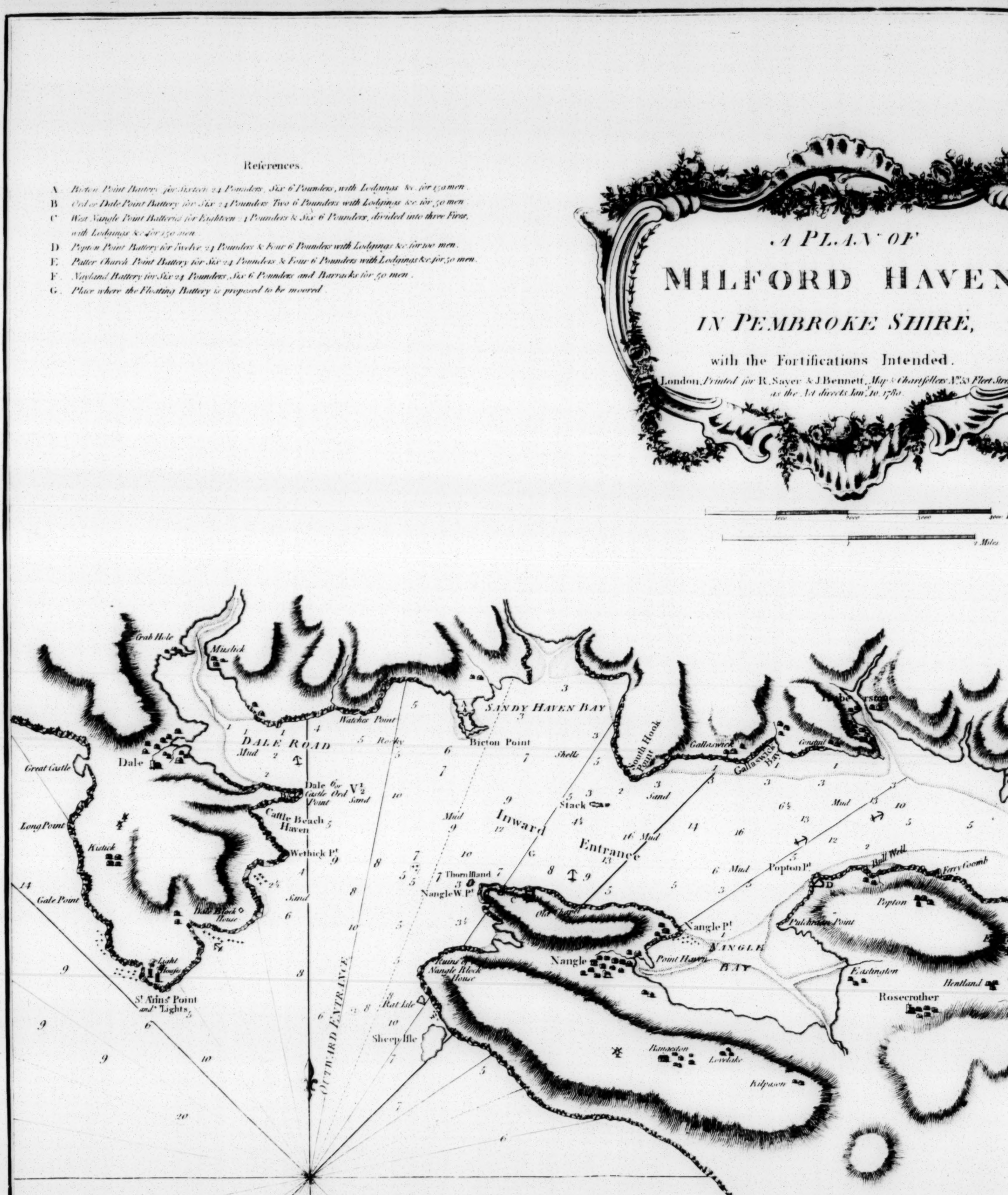
By A. TOVEY and N. GINVER.

LONDON.
Printed for Robt. Sayer *and* Jno. Bennett *Chart Sellers No. 53 Fleet Street.*
as the Act Directs 1st July 1779

One Nautic League

The Darts denote the Setting of the Tides; and the Roman Figures shew the time of High Water, at Full and Change.


OLD GRINSEY
St. HELENS SOUND
TEAN SOUND
Penbrose Sound
Round Island
Menarworth
Golden Ball
St. HELENS
Norwethel
Black Rock
Lyon Rock
Penbrose
TEAN or THEON
White Island
Porth Morran
St. MARTIN'S BAY
St. Martins Head
Tinklers Point
St. MARTINS
Day Mark 40 Feet High
Church
Hr. Town
Cruthers Key
Hard Lewis
Chapel Rock
Chimney Rock
Hinjack
Mould Ledge
English Ledge
Kettle Bottom
Kettle
Pipers Hole
Oliver's or Old Castle
Castle or Block House
Dover Battery
Dolphin Town
Church
Dunstons I.
TRESCO
Palace
TRESCAW
Lizzard
Abby Pond
Pump I.
Merrick I.
Ruins of the Abby
Tresco Flats
Rags I.
Puffin I.
Hedge Rock
Cheese Rock
St. Martin's Flats
Pentle Rock
Gouthers
Damassinas
Tringa Hills
Scurret Id.
Diamond Ledge
L. Ganhilly
Great Ganhilly
L. Arthur
L. Norenuer
G. Norenuer
G. Gannick
the Hats
Ragged Island
Menawethan
Great Arthur
L. Gannick
3 Feet
Feet at Low Water
Biggall Rock
the Crow
Navy Pots
Great Crow
Sandy Bar
the Mare
Little Crow
CROW SOUND
Inazigan
Stone Hills
Nut Rock
Green Id.
St. MARYS HARBOUR
Creeb
Bantscurran
Block House
Lookout
Garran morval
Carran niegan
Well
Tolls Island
Mount Todden
Southward Well
Cow
Calf
Taylors Id.
St. MARY'S
Deep Point
Prims Island
Bacon Ledge
the Pool
Permlin
Holy Vale
Newfoundland
Rat Id.
Newman
Castle
Battery
Hugh Town
Old Castle
Old Town
Here the Body of Sr. Cloudesly Shovel was thrown up and buried; but afterwards taken up by the Purser of the Arundel
Porth Hellick Bay
the Steval or Stevern
Church Town
Tolman
Gyants Castle
Vraugh
Porcraser
Wind Mill
Woolpack
Church Ledge
Bartholemew Ledge 8 Feet Seen at Low Water
St. MARY'S SOUND
Carrick Stern
Pennins Point
Gillstone
Kittern or Cow and Calf
Kites Nest
Spanish Ledge 6 Feet Seen at Low Water
Channel
Bough
Round Rock
Gue or Gouch
Light House
AGNES
the Cove
Drop Nose
Hoe
Hakestone
Wingleton
Mare Ledge
W ½
St. AGNES LIGHT HOUSE
Latitude 49d. 55m.
Scilly Islands bearing S.E.
Scilly Islands bearing S.E. by E. about 4 Leagues distance.
Scilly Islands bearing E.N.E. 4 Leagues.
Scilly Islands bearing S.W. about 5 Leagues.
Appearance of Scilly Islands when you are abreast of them 5 or 6 Leagues off.



A PLAN OF

MILFORD HAVEN

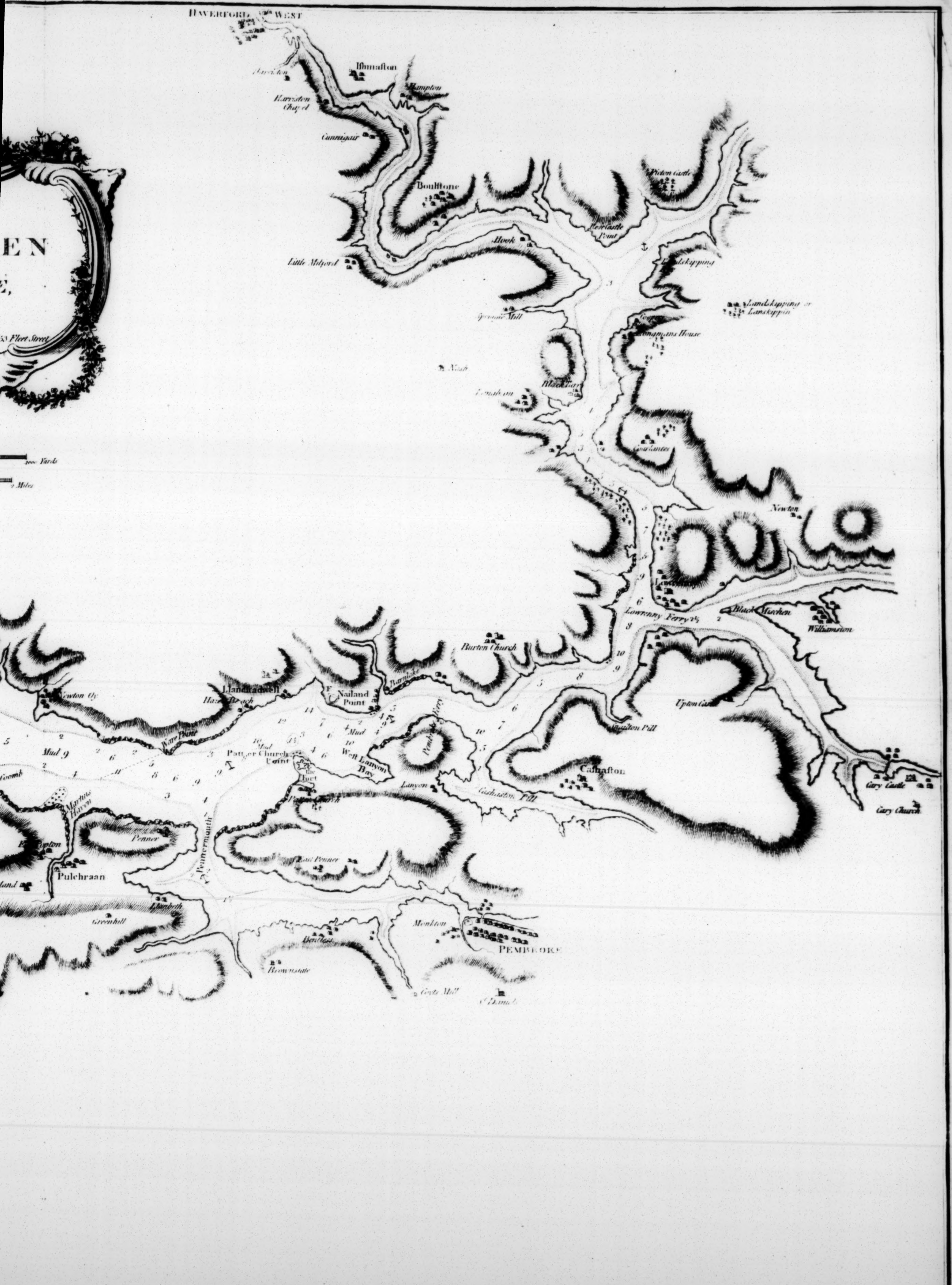
IN PEMBROKE SHIRE,

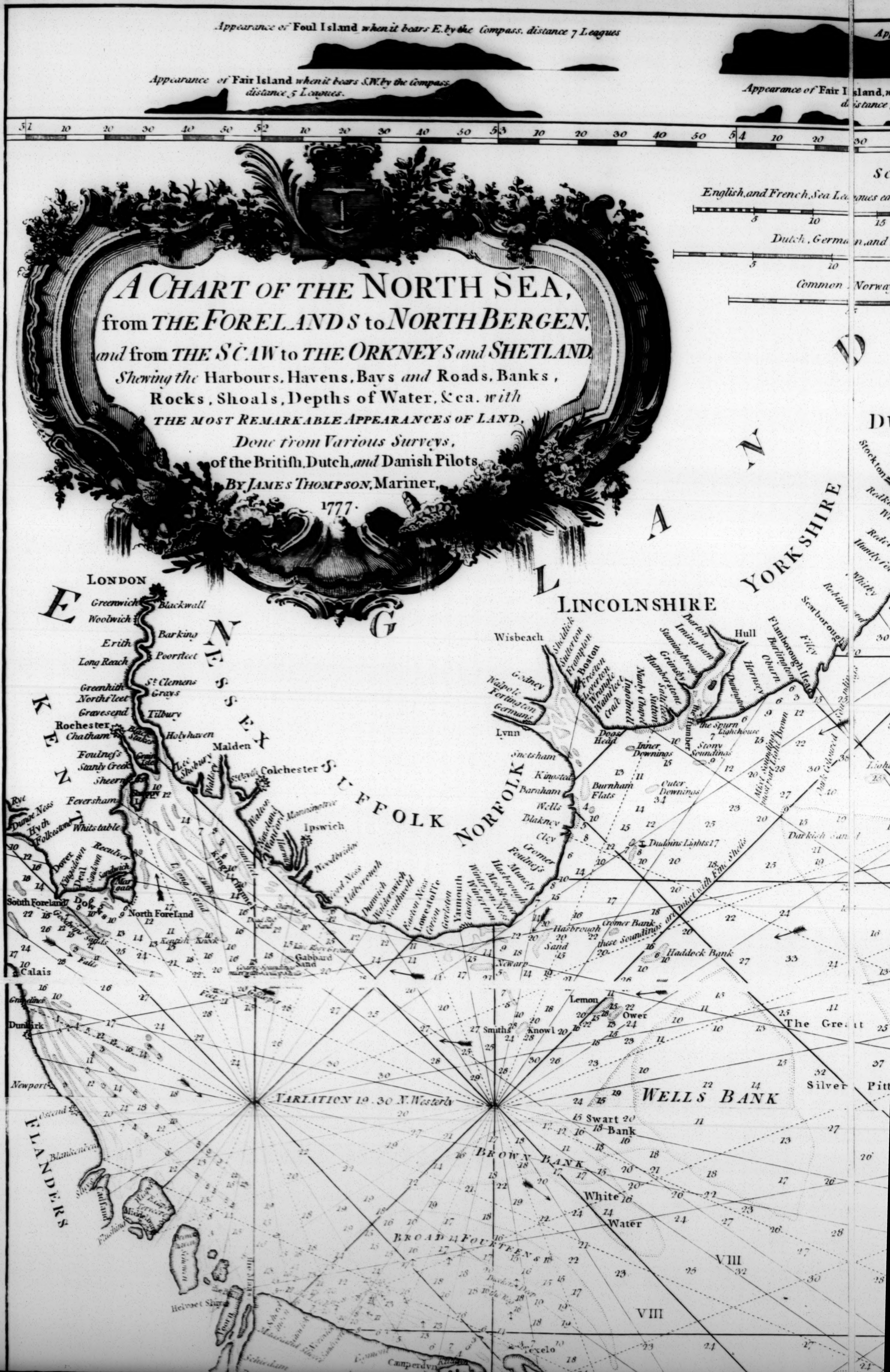
with the Fortifications Intended.

London, *Printed for* R. Sayer & J. Bennett, *Map & Chartsellers N.º 53 Fleet Stre*
as the Act directs Jan.y 10. 1780.

References.

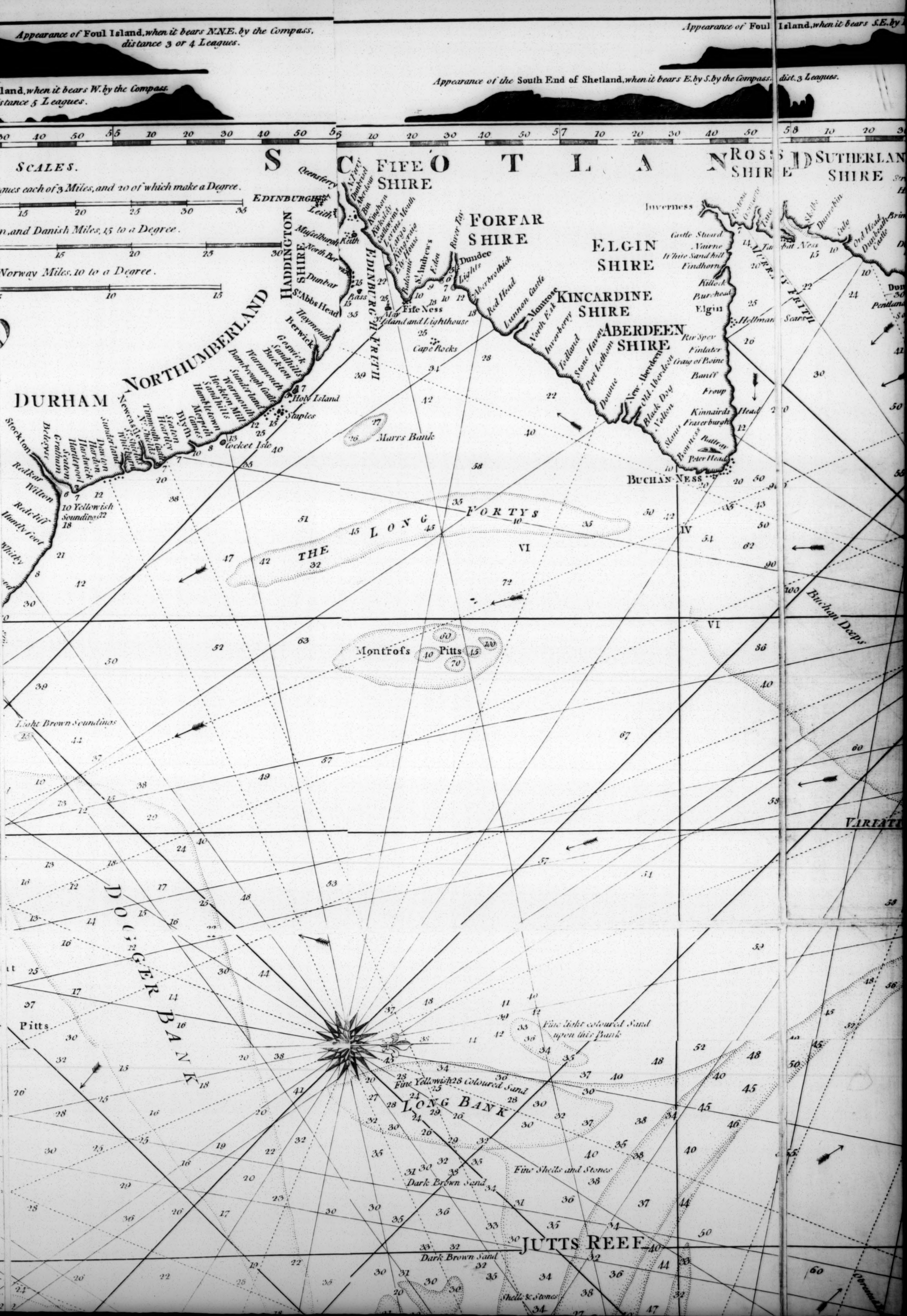
- A. *Bicton Point Battery for Sixteen 24 Pounders, Six 6 Pounders, with Lodgings &c. for 150 men.*
- B. *Ord or Dale Point Battery for Six 24 Pounders Two 6 Pounders with Lodgings &c. for 50 men.*
- C. *West Nangle Point Batteries for Eighteen 24 Pounders & Six 6 Pounders, divided into three Fires, with Lodgings &c. for 150 men.*
- D. *Popton Point Battery for Twelve 24 Pounders & Four 6 Pounders with Lodgings &c. for 100 men.*
- E. *Patter Church Point Battery for Six 24 Pounders & Four 6 Pounders with Lodgings &c. for 50 men.*
- F. *Nayland Battery for Six 24 Pounders, Six 6 Pounders and Barracks for 50 men.*
- G. *Place where the Floating Battery is proposed to be moored.*

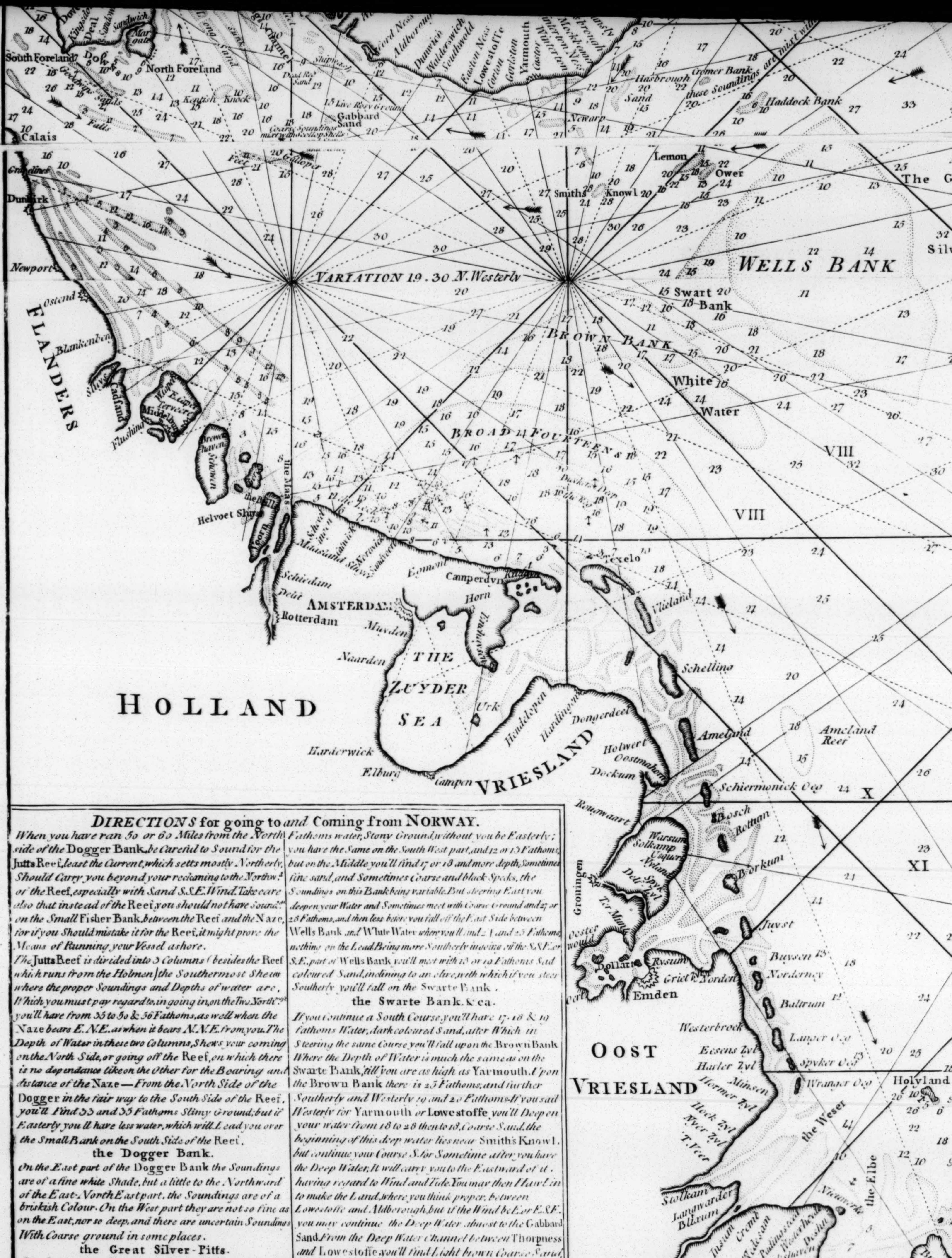

EN
E,
53 Fleet Street
Yards
2 Miles
HAVERFORD WEST
Harriston
Ishmaston
Hampton
Harriston Chapel
Cunnigair
Boulstone
Picton Castle
Newcastle Point
Hook
Little Milford
Landskipping
Landskipping or Lanskippin
Sprouse Mill
Longmans House
Black Tar
Landshipping
Coedcanlas
Newton
Lawrenny
Lawrenny Ferry
Black Mischen
Williamston
Burton Church
Barnlake
Newton Oy
Llanstadwell
Hazel Beach
Ware Point
Nailand Point
Mud
Patter Church Point
the Fort
Patter Church
West Lanyon Bay
Pembroke Ferry
Lanyon
Cosheston Pill
Upton Castle
Carew Castle
Carew Church
Coomb
Martins Haven
Penner
Pennermouth
Pulchraan
East Penner
Llanbeth
Greenhill
Bentless
Brownslate
Monkton
PEMBROKE
Gets Mill
St Daniels



A CHART OF THE NORTH SEA, from THE FORELANDS to NORTH BERGEN, and from THE SCAW to THE ORKNEYS and SHETLAND.

Shewing the Harbours, Havens, Bays *and* Roads, Banks, Rocks, Shoals, Depths of Water, &ca. *with*
THE MOST REMARKABLE APPEARANCES OF LAND,
Done from Various Surveys,
of the British, Dutch, *and* Danish Pilots.
BY JAMES THOMPSON, Mariner,
1777.


Appearance of Foul Island, when it bears N.N.E. by the Compass, distance 3 or 4 Leagues.
land, when it bears W. by the Compass. stance 5 Leagues.
Appearance of the South End of Shetland, when it bears E. by S. by the Compass. dist. 3 Leagues.
Appearance of Foul Island, when it bears S.E. by
SCALES.
gues each of 3 Miles, and 20 of which make a Degree.
n, and Danish Miles, 15 to a Degree.
Norway Miles, 10 to a Degree.
S C O T L A N D
FIFE SHIRE
FORFAR SHIRE
ELGIN SHIRE
KINCARDINE SHIRE
ABERDEEN SHIRE
ROSS SHIRE
SUTHERLAN SHIRE
HADDINGTON SHIRE
EDINBURGH
EDINBURGH FRITH
MURRAY FRITH
NORTHUMBERLAND
DURHAM
Queensferry
Leith
Musselburgh
North Ber
Dunbar
St. Abbs Head
Berwick
Holy Island
Staples
Cocket Isle
Bass
Fife Ness
May Island and Lighthouse
Cape Rocks
St. Andrews
Dundee
Lights
Aberbrothick
Red Head
Lunnon Castle
Montrose
North Esk
Inverbervey
Stone Haven
Port Lethom
New Aberdeen
Old Aberdeen
Black Dog
Buchan Ness
Peter Head
Kinnairds Head
Fraserburgh
Banff
Froup
Elgin
Findhorn
Nairne
Castle Stuard
Inverness
Hellman Scars
Tarbat Ness
Stockton
Redkar
Wilton
Whitby
10 Yellowish Soundings
Marrs Bank
THE LONG FORTYS
Montrofs Pitts
Buchan Deeps
Light Brown Soundings
DOGGER BANK
Pitts
Fine light coloured Sand upon this Bank
Fine Yellowish Coloured Sand
LONG BANK
Fine Shells and Stones
Dark Brown Sand
JUTTS REEF
Shells & Stones
VARIATI
IV
VI



DIRECTIONS for going to *and* Coming from NORWAY.

When you have ran 5o or 6o Miles from the North side of the Dogger Bank, *be Careful to Sound for the* Jutts Reef, *least the Current, which setts mostly Northerly, Should Carry you beyond your reckoning to the Northwd of the* Reef, *especially with Sand S.S.E. Wind. Take care also that instead of the* Reef, *you should not have Soundgs on the Small* Fisher Bank, *between the* Reef *and the* Naze, *for if you Should mistake it for the* Reef, *it might prove the Means of Running your Vessel ashore.*

The Jutts Reef *is divided into 3 Columns (besides the* Reef *which runs from the Holmen) the Southermost Shews where the proper Soundings and Depths of water are, Which you must pay regard to, in going in, on the Two Northrmost you'll have from 35 to 5o & 56 Fathoms, as well when the* Naze *bears E.N.E. as when it bears N.N.E. from you. The Depth of Water in these two Columns, Shews your coming on the North Side, or going off the* Reef, *on which there is no dependance like on the Other for the Boaring and distance of the* Naze—*From the North Side of the* Dogger *in the fair way to the South Side of the* Reef, *you'll Find 33 and 35 Fathoms Slimy Ground; but if Easterly you'll have less water, which will Lead you over the Small Bank on the South Side of the* Reef.

the Dogger Bank.

On the East part of the Dogger Bank *the Soundings are of a fine white Shade, but a little to the Northward of the East-North East part, the Soundings are of a briskish Colour. On the West part they are not so fine as on the East, nor so deep, and there are uncertain Soundings With Coarse ground in some places.*

the Great Silver-Pitts.

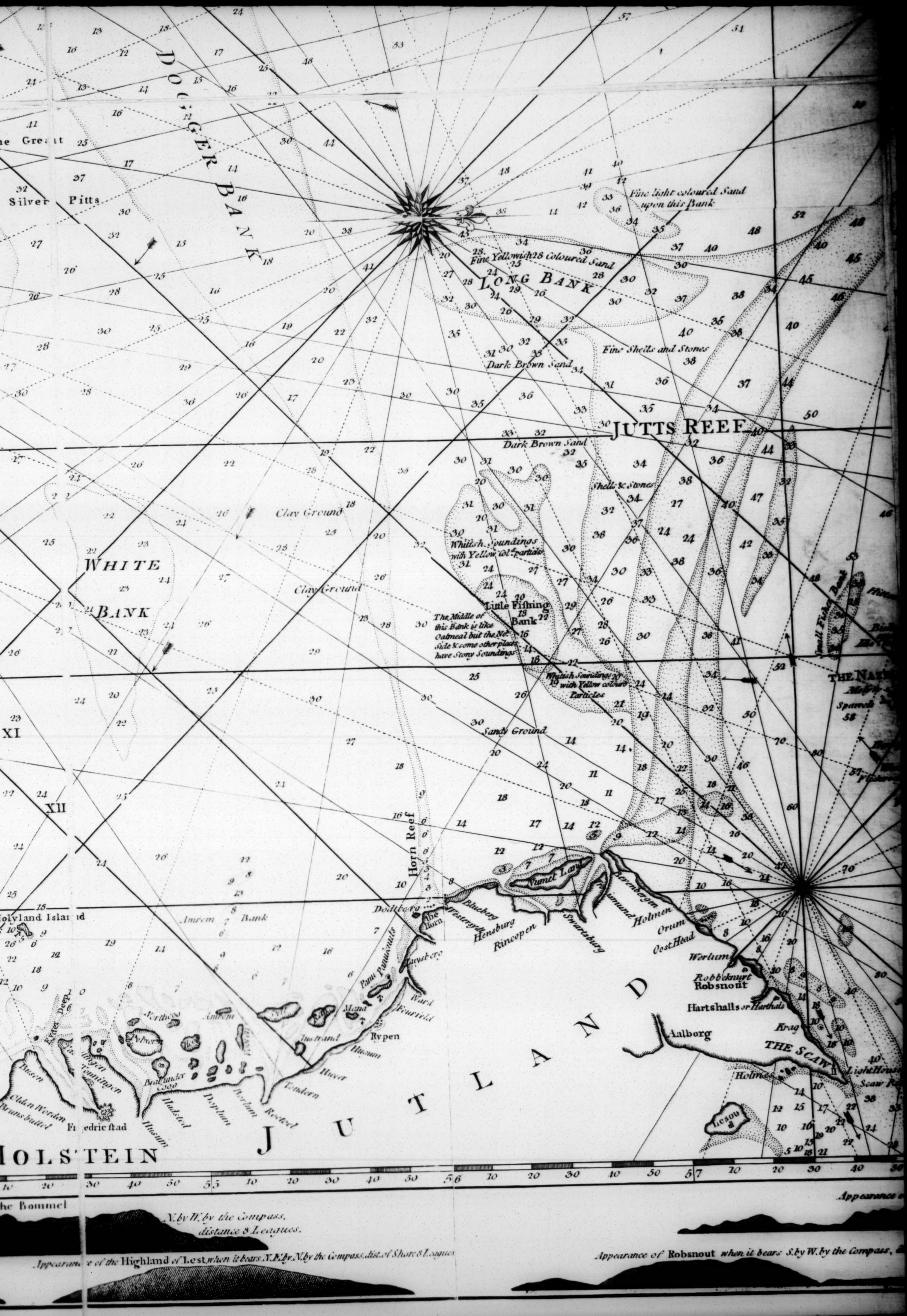
Lie between the Dogger *and* Wells Bank, *in crossing them you are to observe the Depth of Water and distance from the* Dogger *to* Wells Bank, *and accordingly to direct your Course over* Wells Bank, *in order to avoid the* Lemon *and the* Ower, *Steering S. or S. by E. or S.S.E. Over* Wells Bank *to* Swarte Bank.

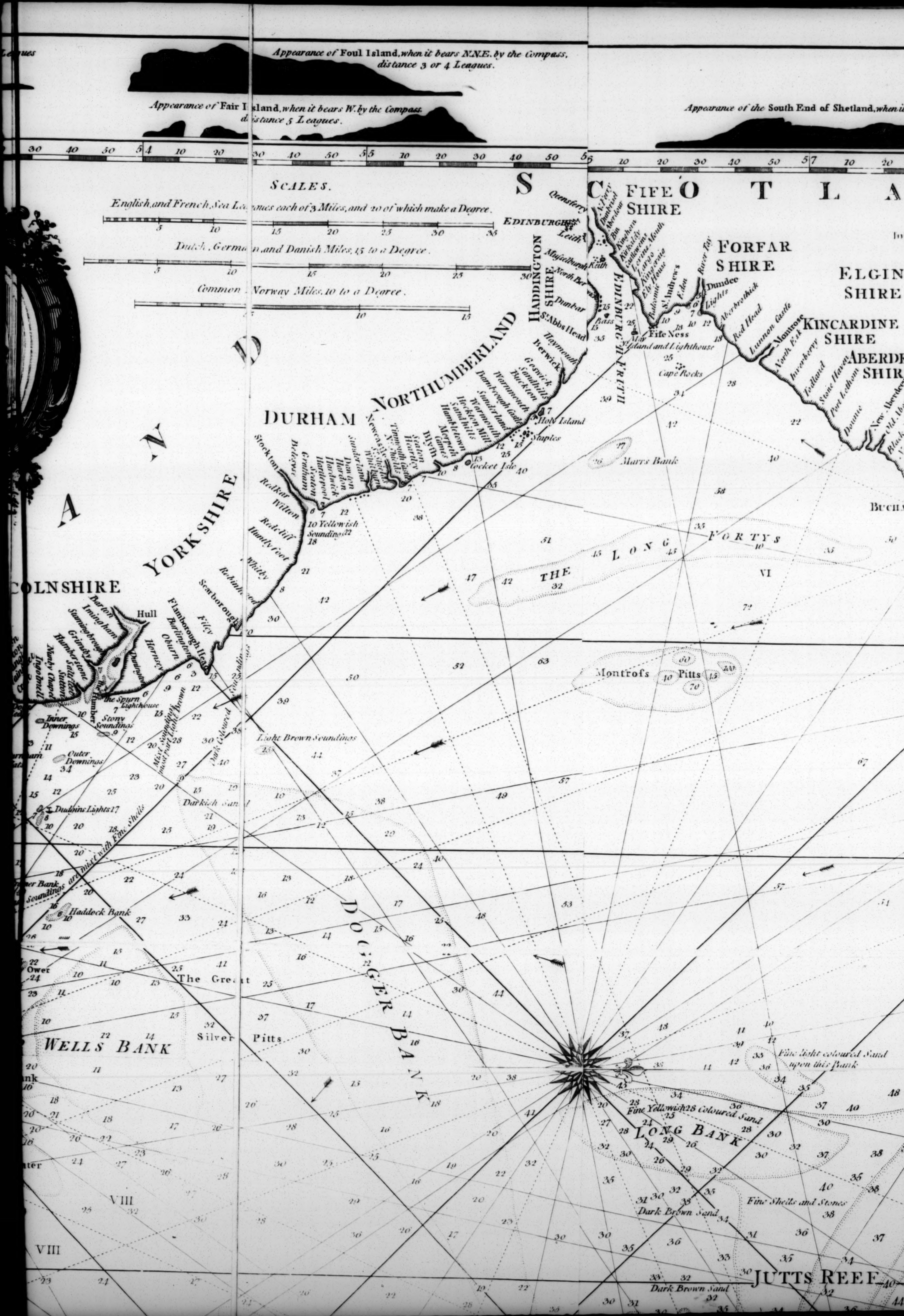
Wells Bank.

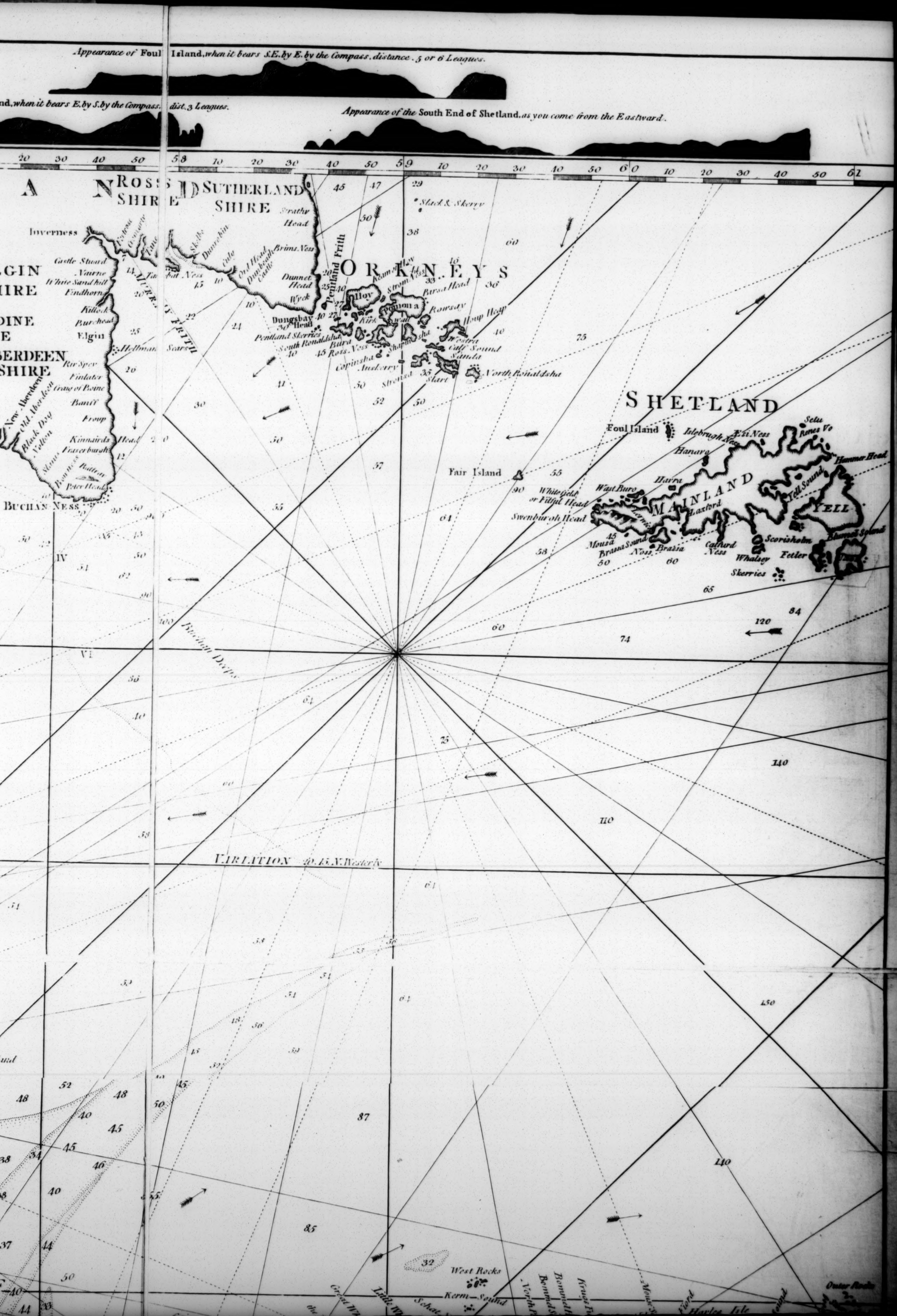
On the North Edge of this Bank you have 26. 27 and 28 Fathoms water, Stony Ground, without you be Easterly; you have the Same on the South West part, and 12 or 13 Fathoms, but on the Middle you'll find 17 or 18 and more depth, Sometimes fine sand, and Sometimes Coarse and black Specks, the Soundings on this Bank being variable. But steering East you deepen your Water and Sometimes meet with Coarse Ground and 27 or 28 Fathoms, and then less before you fall off the East Side between Wells Bank *and* White Water *where you'll find 24 and 25 Fathoms, nothing on the Lead. Being more Southerly in going off the S.S.E. or S.E. part of* Wells Bank *you'll meet with 18 or 19 Fathoms Sad coloured Sand, inclining to an olive, with which if you steer Southerly you'll fall on the* Swarte Bank.

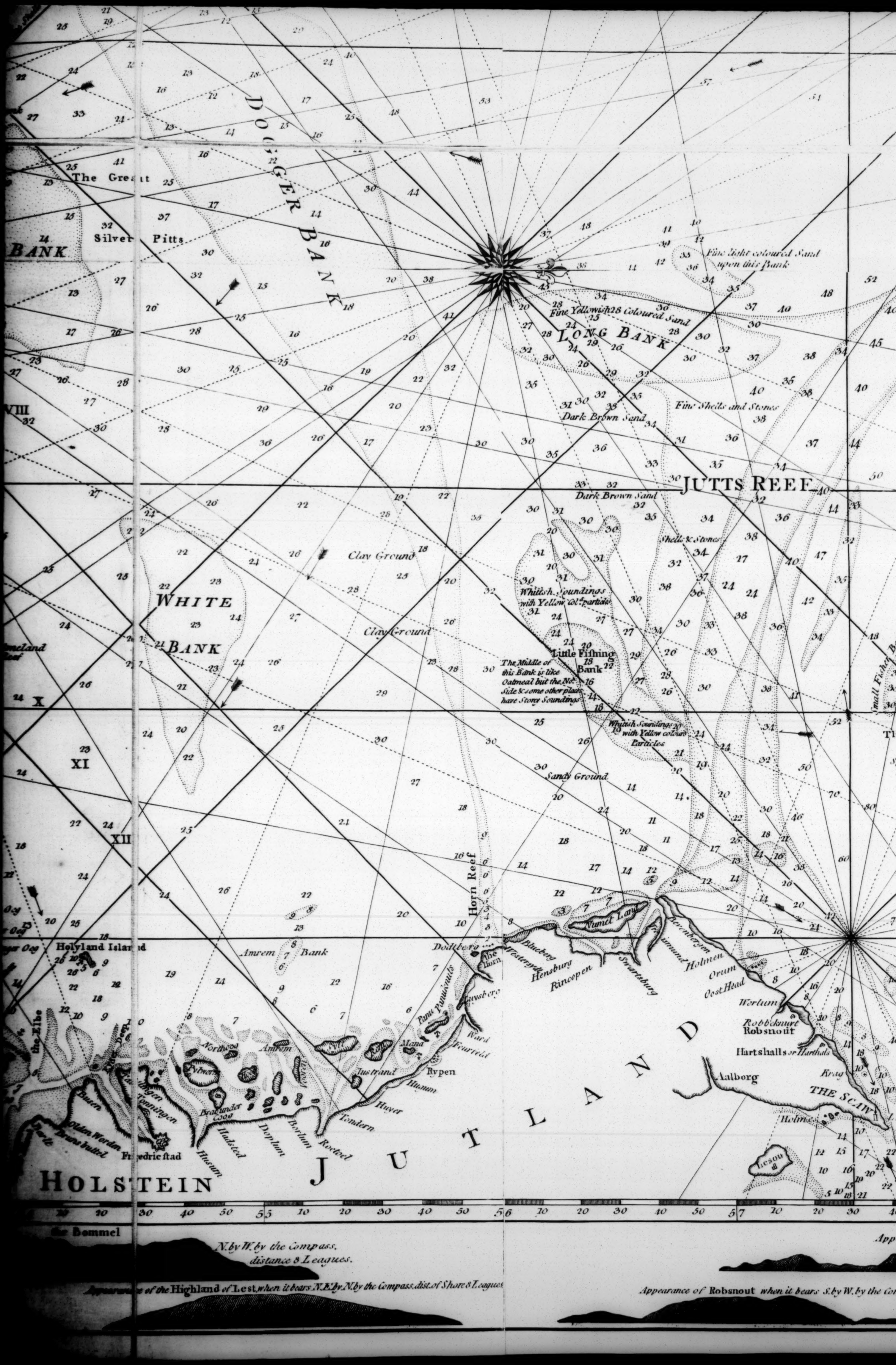
the Swarte Bank. &ca.

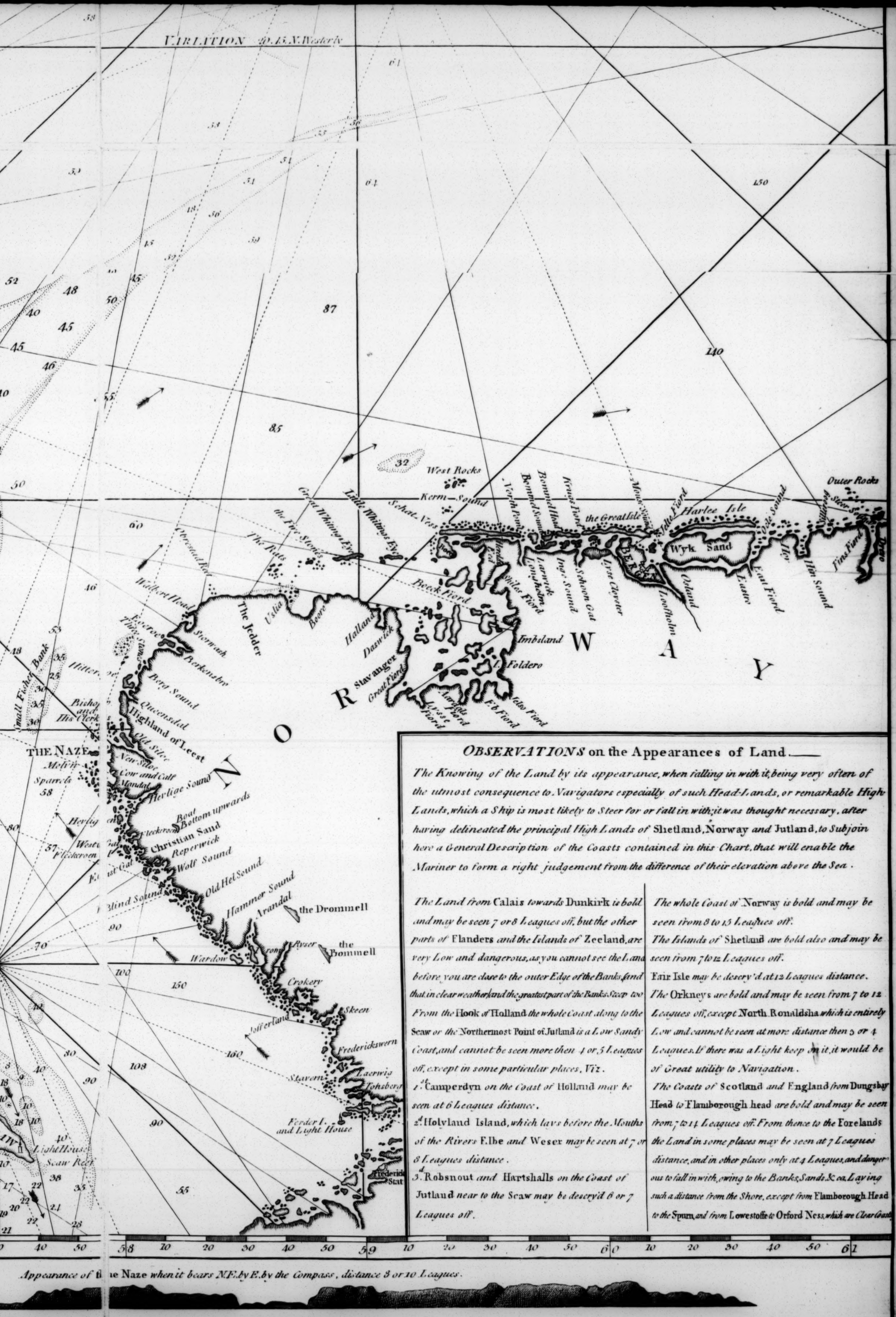
If you Continue a South Course, you'll have 17. 18 & 19 fathoms Water, dark coloured Sand, after Which in Steering the same Course you'll fall upon the Brown Bank *Where the Depth of Water is much the same as on the* Swarte Bank, *'till you are as high as* Yarmouth. *Upon the* Brown Bank *there is 25 Fathoms; and further Southerly and Westerly 19 and 20 Fathoms. If you sail Westerly for* Yarmouth *or* **Lowestoffe** *you'll Deepen your water from 18 to 28 then to 18, Coarse Sand, the beginning of this deep water lies near* Smith's Knowl, *but continue your Course S. for Sometime after you have the Deep Water, It will carry you to the Eastward of it, having regard to Wind and Tide. You may then Haul in to make the Land, where you think proper, between Lowestoffe and Aldborough, but if the Wind be E. or E.S.E. you may continue the Deep Water almost to the* Gabbard Sand. *From the Deep Water Channel between* Thorpness *and* Lowestoffe, *you'll find Light brown Coarse Sand, Sometimes Stony, and the Depth of water gradually decreasing to the Shore, but to the Northward of* Lowestoffe *uncertain Depths, but observe if you find light brown Sand, after you fall off the South Side of* Wells Bank, *and uncertain Depths of Water, that you are too far Westerly, and in great danger of there being many overfalls.*


DOGGER BANK
the Great Silver Pitts
Fine light coloured Sand upon this Bank
Fine Yellowish Coloured Sand
LONG BANK
Fine Shells and Stones
Dark Brown Sand
JUTTS REEF
Dark Brown Sand
Shells & Stones
Clay Ground
Clay Ground
Whitish Soundings with Yellow col.d particles
Little Fishing Bank
The Middle of this Bank is like Oatmeal but the N.e Side & some other places have Stony Soundings
Whitish Soundings with Yellow coloured Particles
Sandy Ground
WHITE BANK
XI
XII
Small Fisher Bank
THE NATU
Sparrch
Horn Reef
Holyland Island
Amrom Bank
Eider Deep
Pelworm
Amrom
Northstrand
Busen
Olden Worden
Brunsbuttel
Fredricstad
Husum
Bredstedt
Hulsted
Dorplan
Berlum
Rodsted
Tondern
Hover
Instrand
Rypen
Hussum
Fanu
Mand
Fourreld
Ward
Gusberg
Dodtberg
the Horn
Blueberg
Westergyld
Hensburg
Rincopen
Swartsburg
Numel Land
Ravenbergen
Holmen
Orum
Oost Head
Worlum
Robbeknute
Robsnout
Hartshalls or Harthals
Krag
Aalborg
THE SCAW
Light House
Holmes
Lesou
JUTLAND
HOLSTEIN
10 20 30 40 50 55 10 20 30 40 50 56 10 20 30 40 50 57 10 20 30 40
he Bommel
N. by W. by the Compass, distance 3 Leagues.
Appearance of the Highland of Lest, when it bears N.E. by N. by the Compass, dist. of Shore 3 Leagues
Appearance of Robsnout when it bears S. by W. by the Compass,
Appearance o


Leagues
Appearance of Foul Island, when it bears N.N.E. by the Compass, distance 3 or 4 Leagues.
Appearance of Fair Island, when it bears W. by the Compass. distance 5 Leagues.
Appearance of the South End of Shetland, when i
SCALES.
English, and French Sea Leagues each of 3 Miles, and 20 of which make a Degree.
Dutch, German, and Danish Miles, 15 to a Degree.
Common Norway Miles, 10 to a Degree.
S C O T L A
F I F E SHIRE
FORFAR SHIRE
ELGIN SHIRE
KINCARDINE SHIRE
ABERD SHIR
EDINBURGH
Queensferry
N. Ferry
Dunbriss
Aberdour
Leith
Musselburgh
North Ber
Dunbar
St. Abbs Head
Bass
Keith
Kinghorn
Kirkaldy
Wemys
Largo
Kingsesle
Elie House
Pittenweem
Bay
St. Andrews
Eden
River Tay
Dundee
Lights
Aberbrothick
Red Head
Lunnon castle
Montrose
North Esk
Inverberry
Todland
Stone Haven
Port Lethom
Downie
New Aberdeen
Old Ab
Fife Ness
May Island and Lighthouse
Cape Rocks
EDINBURGH FRITH
HADDINGTON SHIRE
Haymouth
Berwick
Holy Island
Staples
Cocket Isle
NORTHUMBERLAND
DURHAM
E N G L A N D
YORKSHIRE
COLNSHIRE
Goswick
Sandhills
Bickton
Warnmouth
Bamborough Castle
Sunderland
Warmouth
Hookton
Mill
Sandhills
Hambleton
Morpeth
Cumes
Blyth
Seaton
Hartley
Tinmouth Castle
N. Shields
S. Shields
Whitby
Newcastle
Sunderland
Dawden
Hardon
Hardwick
Hartlepool
Seaton
Graham
Deleyne
Stockton
Redkar
Wilton
Redcliff
Huntly foot
Whitby
Robin Hood
Scarborough
Filey
Flamborough Head
Burlington
Oburn
Hornsey
Dunstable
Hull
Barton
Imingham
Stallingbrough
Grimsby
Humberstone
Saltfleet
Sutton
Nasby Chapel
Ingolmell
Humber
the Spurn Lighthouse
Inner Downings
Outer Downings
Stony Soundings
Dudgeons Lights
Inner Bank
Soundings are mixt with Fine Shells
Haddock Bank
Owers
Well Bank
Marrs Bank
THE LONG FORTYS
VI
Montrofs Pitts
10 Yellowish Soundings
Light Brown Soundings
Mixt Soundings most part Light Brown
Dark Coloured Soundings
Darkish Sand
DOGGER BANK
The Great Silver Pitts
WELLS BANK
Fine light coloured Sand upon this Bank
Fine Yellowish Coloured Sand
LONG BANK
Fine Shells and Stones
Dark Brown Sand
Dark Brown Sand
JUTTS REEF
VIII
VIII
BUCHA


Appearance of Foul Island, when it bears S.E. by E. by the Compass, distance 5 or 6 Leagues.
nd, when it bears E. by S. by the Compass, dist. 3 Leagues.
Appearance of the South End of Shetland, as you come from the Eastward.
58
59
60
61
ROSS SHIRE
SUTHERLAND SHIRE
GIN
HIRE
DINE
E
ERDEEN SHIRE
Inverness
Castle Stuard
Nairne
White Sand hill
Findhorn
Killoch
Burchead
Elgin
Hellman Scars
Riv. Spey
Finlater
Craig of Boine
Banff
Troup
Kinnairds Head
Fraserburgh
Rattray
Peter Head
BUCHAN NESS
New Aberdeen
Old Aberdeen
Black Dog
Yellon
MURRAY FRITH
Tarbat Ness
Strathy Head
Brims Ness
Dunnet Head
Wyck
Ord Head
Dunbeath Castle
Dungsbay Head
Pentland Frith
Pentland Skerries
South Ronaldsha
Ross Ness
ORKNEYS
Hoy
Pomona
Kirkwall
Stromness
Rousay
Bursa Head
Houp Head
Westra
Calf Sound
Sanda
Copinsha
Auskerry
Stronsa
Start
North Ronaldsha
Stack & Skerry
SHETLAND
Foul Island
Islebrugh Ness
Esi Ness
Hanara
Harra
Selu Renes Vo
Hammer Head
Yell Sound
YELL
MAINLAND
Laxford
West Buro
Whitegeld or Fitful Head
Swenburgh Head
Mousa
Brassa Sound
Noss
Brassa
Catfurd Ness
Scorisholm
Whalsey
Fetler
Bluemel Sound
Skerries
Fair Island
Buchan Deeps
VARIATION 20.15. N. Westerly
West Rocks
Kerm Sound
Outer Rocks
Harles Isle
Great Wh
Little Wh
Schat
North
Bemudd
Krugs
Mone
Fiord
Sound
IV
VI


DOGGER BANK
The Great
Silver Pitts
BANK
LONG BANK
Fine Yellowish Coloured Sand
Fine light coloured Sand upon this Bank
Fine Shells and Stones
Dark Brown Sand
JUTTS REEF
Dark Brown Sand
Shells & Stones
Clay Ground
Clay Ground
Whitish Soundings with Yellow Col. particles
Little Fishing Bank
The Middle of this Bank is like Oatmeal but the N.E. Side & some other places have Stony Soundings
Whitish Soundings with Yellow colour'd Particles
Sandy Ground
WHITE BANK
VIII
X
XI
XII
Horn Reef
Amrem Bank
Holyland Island
the Elbe
Dodtberg
the Horn
Westergate
Bluebarg
Hensburg
Rincopen
Numet Land
Swartsburg
Rovenbergen
Holmen
Orum
Oost Head
Werlum
Robbeknurt
Robsnout
Hartshalls or Harthals
Aalborg
Krag
THE SCAW
Holme
Lesou
Husberg
Ward
Fourreld
Panu Panaruds
Mana
Rypen
Hunum
Huyer
Tondern
Jus trand
Amrem
Northoe
Sylveer
Boa under Coog
Haksted
Donhum
Borlum
Roetel
Husum
Tonningen
Friedricstad
Olden Worden
Brunsbuttel
JUTLAND
HOLSTEIN
Small Fished B
the Bommel
N. by W. by the Compass, distance 8 Leagues.
Appearance of the Highland of Lest when it bears N.E. by N. by the Compass, dist. of Shore 8 Leagues
Appearance of Robsnout when it bears S. by W. by the Co
App



OBSERVATIONS on the Appearances of Land.

The Knowing of the Land by its appearance, when falling in with it, being very often of the utmost consequence to Navigators especially of such Head-Lands, or remarkable High Lands, which a Ship is most likely to Steer for or fall in with; it was thought necessary, after having delineated the principal High Lands of Shetland, Norway *and* Jutland, *to Subjoin here a General Description of the Coasts contained in this Chart, that will enable the Mariner to form a right judgement from the difference of their elevation above the Sea.*

The Land from Calais *towards* Dunkirk *is bold and may be seen 7 or 8 Leagues off, but the other parts of* Flanders *and the Islands of* Zeeland, *are very Low and dangerous, as you cannot see the Land before you are close to the outer Edge of the Banks, and that in clear weather, and the greatest part of the Banks Steep too.*

From the Hook *of* Holland *the whole Coast along to the* Scaw *or the* Northermost Point of Jutland *is a Low Sandy Coast, and cannot be seen more then 4 or 5 Leagues off, except in some particular places, Viz.*

1st. Camperdyn *on the Coast of* Holland *may be seen at 6 Leagues distance.*

2d. Holyland Island, *which lays before the Mouths of the Rivers* Elbe *and* Weser *may be seen at 7 or 8 Leagues distance.*

3d. Robsnout *and* Hartshalls *on the Coast of* Jutland *near to the* Scaw *may be descry'd 6 or 7 Leagues off.*

The whole Coast of Norway *is bold and may be seen from 8 to 15 Leagues off.*

The Islands of Shetland *are bold also and may be seen from 7 to 12 Leagues off.*

Fair Isle *may be descry'd at 12 Leagues distance.*

The Orkneys *are bold and may be seen from 7 to 12 Leagues off, except* North Ronaldsha *which is entirely Low and cannot be seen at more distance then 3 or 4 Leagues. If there was a Light keep on it, it would be of Great utility to Navigation.*

The Coasts of Scotland *and* England *from* Dungsbay Head *to* Flamborough head *are bold and may be seen from 7 to 14 Leagues off. From thence to the* Forelands *the Land in some places may be seen at 7 Leagues distance, and in other places only at 4 Leagues, and dangerous to fall in with, owing to the Banks, Sands &c. Laying such a distance from the Shore, except from* Flamborough Head *to the* Spurn, *and from* Lowestoffe *to* Orford Ness, *which are Clear Coast*

Appearance of the Naze *when it bears N.E. by E. by the Compass, distance 8 or 10 Leagues.*

by the Compass, distance 4 Leagues.

Appearance of the Scaw, *when the Church bears S.W. by W. by the Compass, dist. 3 Leagues.*

Names of Places.	Line
Aldborough Haven	14
Arundel	34
Beachy Head	20 . . 39
Blacktail Beacon	12
Boston	25
Boulogne	15 . . 16
Bourdeaux River	6 . . 48
Brest	6
Briſtol	47
Burlington	2 . . 29
Calais	9 . . 15 . . 41
Caldy Iſland	27
Campvere	33
The Caſkets	17
Coaſt of Flanders	37
——— *Lincolnſhire*	25
——— *Ireland*	28
——— *Picardy*	16
——— *Zeeland*	35
Cromer	19 . . 24 . . 43 . . 44
Dieppe	16
ver Road	9
he Downs	8 . . 39
Dungeneſs	9
Dunkirk	15
Dunwich	14
Exmouth Bar	1
Falmouth	1 . . 19 . . 31 . . 47
Flambro' Head	29 . . 43
The Flye	23
N. Foreland	14
Foulneſs	24
Fowey	47
The Galloper	36
Goodwin Sands	3 . . 14
Goree & Flats	11 . . 33
Grimſby	25
Guernsey	11 . . 40 . . 46
The Gunſleet	13
Hampton	36
Hartlepool	30
Harwich	13
Haſboro' & Sand	44
Helford	1 . . 23
Jerſey	46
Kentiſh Knock	13
Lands-end	45
Leoſtoff	17 . . 42

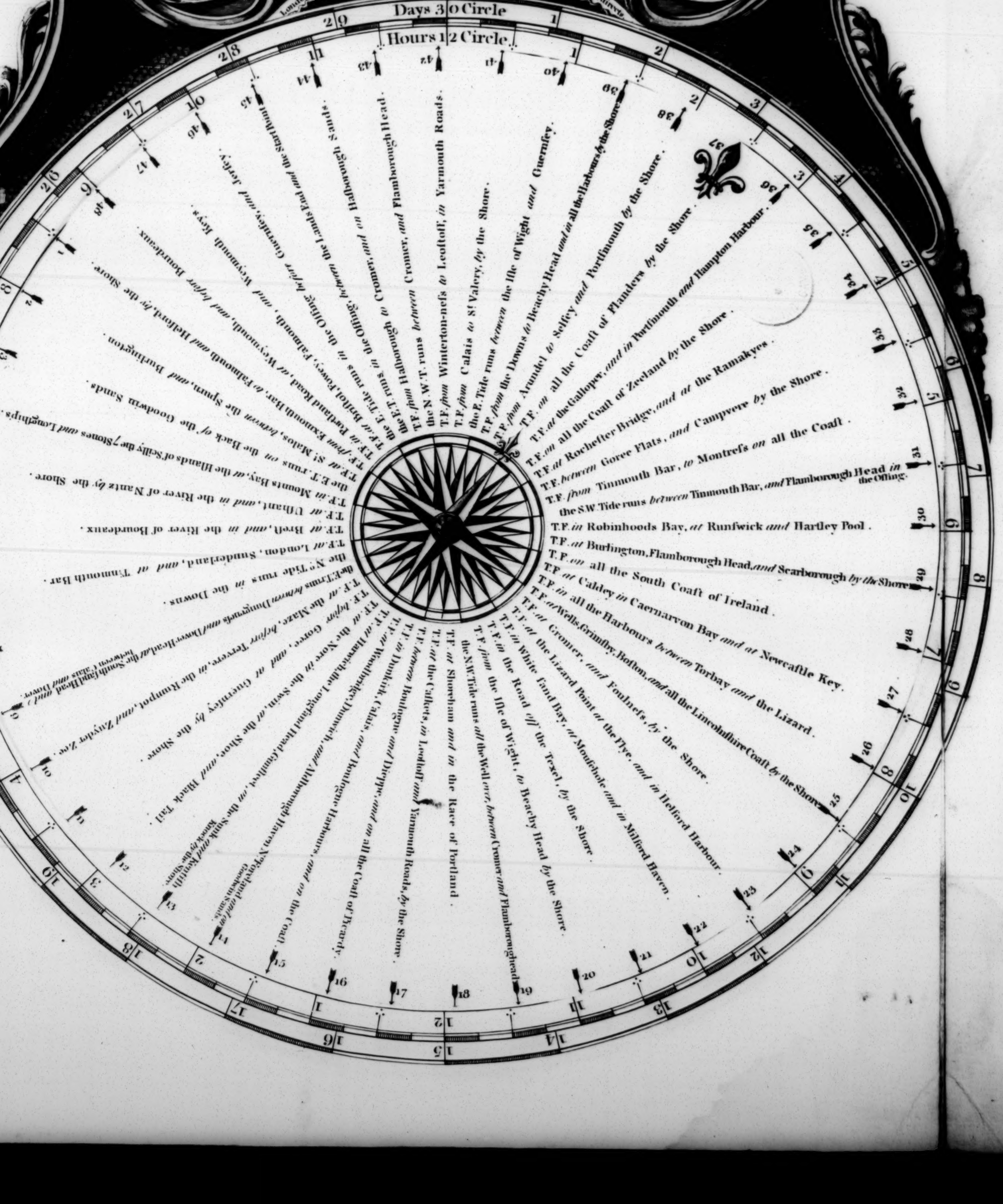
A NEW AND CORRECT TIDE-TABLE
For THE BRITISH CHANNEL, GERMAN SEA, BAY OF BISCAY &c.

Shewing the true Flowing of the TIDE by the Shore, *and* its true Run in the Offing,
for every Day of the Moon's Age,
ON THE COASTS OF ENGLAND, IRELAND, SCOTLAND, HOLLAND, FLANDERS & FRANCE.

To make Uſe of this Table, you muſt Place the Flower-de-Luce, or Index, to the Day of the Moon's-Age, on the Circle of Days; and the Arrow, at the end of the Line wherein the Name is written, will point to the Time of the Tide's Flowing, or Running that Day, on the Circle of Hours.

N. B. T. F. *Stands for* Tides Flowing *by the Shore, or on the Ground.*

London, Printed for R: Sayer & J: Bennett Chart ſellers No. 53 Fleet Street, as the Act directs.


Days 30 Circle
Hours 12 Circle
T.F. *from* Winterton-neſs *to* Leoſtoff, *in* Yarmouth Roads.
T.F. *from* Calais *to* St. Valery, *by the* Shore.
the E. Tide runs *between* the Iſle of Wight *and* Guernſey.
T.F. *from* the Downs *to* Beachy Head *and in* all the Harbours *by the* Shore.
T.F. *from* Arundel *to* Selſey *and* Portſmouth *by the* Shore.
T.F. *on* all the Coaſt of Flanders *by the* Shore.
T.F. *at* the Galloper, *and in* Portſmouth *and* Hampton Harbour.
T.F. *on* all the Coaſt of Zeeland *by the* Shore.
T.F. *at* Rocheſter Bridge, *and at* the Ramakyes.
T.F. *between* Goree Flats, *and* Campvere *by the* Shore.
T.F. *from* Tinmouth Bar, *to* Montreſs *on* all the Coaſt.
the S.W. Tide runs *between* Tinmouth Bar, *and* Flamborough Head *in* the Offing.
T.F. *in* Robinhoods Bay, *at* Runſwick *and* Hartley Pool.
T.F. *at* Burlington, Flamborough Head, *and* Scarborough *by the* Shore.
T.F. *on* all the South Coaſt of Ireland.
T.F. *at* Caldey *in* Caernarvon Bay *and at* Newcaſtle Key.
T.F. *in* all the Harbours *between* Torbay *and* the Lizard.
T.F. *at* Wells, Grimſby, Boſton, *and* all the Lincolnſhire Coaſt *by the* Shore.
T.F. *at* Cromer, *and* Foulneſs, *by the* Shore.
T.F. *at* the Lizard Point *at* the Flye, *and in* Helford Harbour.
T.F. *in* White ſand Bay, *at* Mouſehole *and in* Milford Haven.
T.F. *in* the Road *off* the Texel, *by the* Shore.
T.F. *from* the Iſle of Wight, *to* Beachy Head *by the* Shore.
the N.W. Tide runs *all* the Well *over, between* Cromer *and* Flamboroughead.
T.F. *at* Shoreham *and in* the Race of Portland.
T.F. *at* the Caſkets, *in* Leoſtoff *and* Yarmouth Roads, *by the* Shore.
T.F. *between* Boulogne *and* Dieppe, *and on* all the Coaſt of Picardy.
T.F. *at* Dunkirk, Calais, *and* Boulogne Harbours, *and on* the Coaſt.
T.F. *at* Woodbridge, Dunwich, *and* Aldborough Haven, N. Foreland *and on* Goodwin Sands.
T.F. *at* Harwich, the Longſand Head, Gunfleet, *on the* Sunk *and* Kentiſh Knock *by the* Shore.
T.F. *at* the Nore *in* the Swin, *at* the Shoe, *and* Black Tail.
T.F. *before* Goree, *and at* Guernſey *by the* Shore.
T.F. *at* the Maze, *before* Tervere, *in* the Rumpot, *and* Zu
the E.T. runs *between* Dungeneſs *and* Dover Head, *at* the South
the N° Tide runs *in* the Downs.
T.F. *at* London, Sunderland, *and at* Tinmo
T.F. *at* Breſt, *and in* the River of Bourdeau
T.F. *at* Uſhant, *and in* the River of Nantz *by*
T.F. *in* Mounts Bay, *at* the Iſlands of Scilly the 7 Stones
the E.T. runs *on* the Back *of* the Goodwin Sands.
T.F. *at* St. Malos, *between* the Spurn, *and* Burlington.
T.F. *from* Exmouth Bar, *to* Falmouth *and* Helford, *by the* Shore.
T.F. *in* Portland Road, *at* Weymouth, *and before* Bourdeaux.
T.F. *at* Briſtol, Fowey, Falmouth, *and* Weymouth Keys.
the E. Tide runs *in* the Offing *before* Guernſey, *and* Jerſey.
the E.T. runs *in* the Offing, *between* the Lands End *and* the Start Point.
T.F. *from* Haſborough *to* Cromer, *and on* Haſborough Sands.
the N.W.T. runs *between* Cromer, *and* Flamborough Head.
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43
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46
47
48

Names of Places.	Line
Lizard Point	23. .26
London	7
Longsand Head	13
Longships	4
The Maze	10
Milford Haven	22
Montroſs	32
Mounts Bay	4
Mouſhole	22
Nants River	5
Newcaſtle Key	27
The Nore	12
Portland Race	18
Portland Road	48
Portsmouth	36. .38
The Ramakyes	34
Robinhoods Bay	30
Rocheſter Bridge	34
Rumpot	10
Runswick	30
St. Malo.	2
St. Valery	41
Scarborough	29
Scilly Iſlands	4
Selsey	38
The Seven Stones	4
The Shoe Beacon	12
Shoreham	18
Southſand Head	9
The Spurn	2
Start Point	45
Sunderland	7
The Sunk	13
The Swin	12
Tervere	10
Texel Road	21
Tinmouth Bar.	7. . .31. . .32
Torbay	26
Uſhant	5
The Well	19
Wells	25
Weymouth	47. .48
Whiteſand Bay	22
Isle of Wight	40
Winterton Neſs	42
Woodbridge	14
Yarmouth Roads	17
Zuyder-zee	10

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